


```
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17468
; LENGTH: 88906
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(88906)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17468
```

```
Query Match 72.2%; Score 36.8; DB 4; Length 88906;
Best Local Similarity 85.4%; Pred. No. 0.0022;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
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```
QY 1 CCCATCTCTTTTACACACACACACACACACAAATATCT 48
DB 76651 CACATCTCTTTCTTCAACACACACACACACACAGTTCT 76604
```

```
RESULT 3
US-09-513-999C-13589/C
; Sequence 13589, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J. B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J. Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 13589
; LENGTH: 182
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-13589
```

```
Query Match 70.6%; Score 36; DB 4; Length 182;
Best Local Similarity 88.6%; Pred. No. 0.0012;
Matches 39; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTACACACACACACACACACAAATATCT 48
DB 180 TCTCTTTCTTTACACACACACACACACACAAATATAT 137
```

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RESULT 4
US-09-949-016-17009
; Sequence 17009, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
```

```
; SEQ ID NO 17009
; LENGTH: 205163
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17009
```

```
Query Match 69.4%; Score 35.4; DB 4; Length 205163;
Best Local Similarity 97.3%; Pred. No. 0.0079;
Matches 36; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 14 TTACACACACACACACACACAAATATCTGA 50
DB 136078 TTACACACACACACACACACAAATATCTGA 136114
```

```
RESULT 5
US-09-949-016-11808/C
; Sequence 11808, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11808
; LENGTH: 636591
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(636591)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11808
```

```
Query Match 68.6%; Score 35; DB 4; Length 636591;
Best Local Similarity 80.4%; Pred. No. 0.014;
Matches 41; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
```

```
QY 1 CCCATCTCTTTTACACACACACACACACACAAATATCTGAT 51
DB 399702 CACATGCCCTTTCTTTAAACACACACACACACACAAATTAAGAT 399652
```

```
RESULT 6
US-09-949-016-13388/C
; Sequence 13388, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13388
```

```
; LENGTH: 636591
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(636591)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13388
```

```
Query Match          68.2%; Score 35; DB 4; Length 636591;
Best Local Similarity 80.4%; Pred. No. 0.014;
Matches 41; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
```

```
Qy      1  CCCATCTCTTTTACACACACACACACACACAAATATCTGAT 51
Db      399702 CACATGCGCTTTCTTTAAACACACACACACACACACAAATTAAGAT 399652
```

```
RESULT 7
US-09-949-016-22412/c
; Sequence 22412, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14,755
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22412
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-22412
```

```
Query Match          68.2%; Score 34.8; DB 4; Length 601;
Best Local Similarity 84.8%; Pred. No. 0.0041;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
```

```
Qy      4  ATCTCTTTCTTTACACACACACACACACACAAATATCTG 49
Db      66  ACCTCTTTATACACACACACACACACACGAAATGTATG 21
```

```
RESULT 8
US-09-949-016-22414/c
; Sequence 22414, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14,755
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22414
; LENGTH: 601
```

```
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-22414
```

```
Query Match          68.2%; Score 34.8; DB 4; Length 601;
Best Local Similarity 84.8%; Pred. No. 0.0041;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
```

```
Qy      4  ATCTCTTTCTTTACACACACACACACACACAAATATCTG 49
Db      386  ACCTCTTTATACACACACACACACACACGAAATGTATG 341
```

```
RESULT 9
US-09-949-016-154217/c
; Sequence 154217, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14,755
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154217
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-154217
```

```
Query Match          68.2%; Score 34.8; DB 4; Length 601;
Best Local Similarity 84.8%; Pred. No. 0.0041;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
```

```
Qy      4  ATCTCTTTCTTTACACACACACACACACACAAATATCTG 49
Db      66  ACCTCTTTATACACACACACACACACACGAAATGTATG 21
```

```
RESULT 10
US-09-949-016-154219/c
; Sequence 154219, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14,755
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154219
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-154219
```

```
Query Match          68.2%; Score 34.8; DB 4; Length 601;
```


; Sequence 142945, Application US/09949016
; Patent No. 681239
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142945
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142945

Query Match 67.8%; Score 34.6; DB 4; Length 601;
Best Local Similarity 90.2%; Pred. No. 0.0048;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 CCATCTCTTCTTACACACACACACACACACACAAA 42
DB 397 CCATTATTTCTTACACACACACACACACACACACA 437

Search completed: September 2, 2005, 03:56:10
Job time : 139 secs

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RESULT 2
US-10-239-676-2/c
; Sequence 2, Application US/10239676
; Publication No. US20030082609A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
; FILE REFERENCE: 5013.1003
; CURRENT APPLICATION NUMBER: US/10/239,676
; PRIOR FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: PCT/EP01/03968
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-04-06
; CURRENT APPLICATION NUMBER: PCT/EP01/03973
; PRIOR FILING DATE: 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-2

Query Match          79.2%; Score 40.4; DB 14; Length 10619;
Best Local Similarity 97.6%; Pred. No. 0.00038;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1  CCCATCTCTTTCTTTACACACACACACACACACACAA 42
Db      6678 CCCATCTCTTTCTTTACACACACACACACACACACACA 6637

RESULT 3
US-10-311-455-44/c
; Sequence 44, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining the Status of Genes Associated with Gene Regulation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; PRIOR FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 44
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-44

Query Match          79.2%; Score 40.4; DB 15; Length 10619;
Best Local Similarity 97.6%; Pred. No. 0.00038;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
Qy      1  CCCATCTCTTTCTTTACACACACACACACACACACAA 42
Db      6678 CCCATCTCTTTCTTTACACACACACACACACACACACA 6637

RESULT 4
US-10-240-453-2/c
; Sequence 2, Application US/10240453
; Publication No. US20030148326A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Methylation Status of Genes Associated with Gene Regulation
; FILE REFERENCE: 5013.1009
; CURRENT APPLICATION NUMBER: US/10/240,453
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03973
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 350
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-453-2

Query Match          79.2%; Score 40.4; DB 15; Length 10619;
Best Local Similarity 97.6%; Pred. No. 0.00038;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1  CCCATCTCTTTCTTTACACACACACACACACACACAA 42
Db      6678 CCCATCTCTTTCTTTACACACACACACACACACACACA 6637

RESULT 5
US-10-240-589C-2/c
; Sequence 2, Application US/10240589C
; Publication No. US20040076956A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Methylation Status of Genes Associated with Gene Regulation
; FILE REFERENCE: 5013.1008
; CURRENT APPLICATION NUMBER: US/10/240,589C
; PRIOR FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03972
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 148
; SEQ ID NO 2
```


LENGTH: 10619
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-589C-2

Query Match 79.2%; Score 40.4; DB 18; Length 10619;
Best Local Similarity 97.6%; Pred. No. 0.00038;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CCCATCCTCTTTTACACACACACACACACACAA 42
Db 6678 CCATCTCTTTTACACACACACACACACACACA 6637

RESULT 6

US-10-674-124A-3039
Sequence 3039, Application US/10674124A
Publication No. US2004019797A1
GENERAL INFORMATION:
APPLICANT: INOKO, Hidetoshi
APPLICANT: TAMURA, Gen
TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
FILE REFERENCE: ORIN-003CIP
CURRENT FILING DATE: 2003-09-26
PRIOR FILING DATE: 2003-03-07
PRIOR FILING DATE: 2003-03-07
PRIOR FILING DATE: 2003-03-07
PRIOR FILING DATE: 2000-10-30
PRIOR FILING DATE: 2000-10-30
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: JP2002-327516
PRIOR FILING DATE: 2002-09-28
PRIOR APPLICATION NUMBER: JP2002-383869
PRIOR FILING DATE: 2002-12-09
NUMBER OF SEQ ID NOS: 27110
SEQ ID NO 3039
LENGTH: 400
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: AC010744.4_97739
FEATURE:
OTHER INFORMATION: Located on chromosome 2
FEATURE:
OTHER INFORMATION: Distance between a terminus base of telomere on
OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
FEATURE:
OTHER INFORMATION: sequence: 84667136
OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
OTHER INFORMATION: 5'-terminus of this base sequence: 18142
US-10-674-124A-3039

Query Match 75.7%; Score 38.6; DB 19; Length 400;
Best Local Similarity 91.1%; Pred. No. 0.00087;
Matches 41; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 5 TCTCTTCTTTACACACACACACACAAATATCTG 49
Db 178 TCTCTCTTATACACACACACACACACATATATG 222

RESULT 7

US-10-674-124A-10920
Sequence 10920, Application US/10674124A
Publication No. US2004019797A1
GENERAL INFORMATION:
APPLICANT: INOKO, Hidetoshi
APPLICANT: TAMURA, Gen

TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
FILE REFERENCE: ORIN-003CIP
CURRENT APPLICATION NUMBER: US/10/674,124A
CURRENT FILING DATE: 2003-09-26
PRIOR APPLICATION NUMBER: 10/257,511
PRIOR FILING DATE: 2003-03-07
PRIOR APPLICATION NUMBER: PCT/JP00/07621
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: JP2000-112699
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: JP2002-327516
PRIOR FILING DATE: 2002-09-28
PRIOR APPLICATION NUMBER: JP2002-383869
PRIOR FILING DATE: 2002-12-09
NUMBER OF SEQ ID NOS: 27110
SEQ ID NO 10920
LENGTH: 154
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: D68988
FEATURE:
OTHER INFORMATION: Located on chromosome 6
FEATURE:
OTHER INFORMATION: Distance between a terminus base of telomere on
OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
FEATURE:
OTHER INFORMATION: sequence: 131608898
OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
OTHER INFORMATION: 5'-terminus of this base sequence: 107348
US-10-674-124A-10920

Query Match 73.3%; Score 37.4; DB 19; Length 154;
Best Local Similarity 87.2%; Pred. No. 0.0019;
Matches 41; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 5 TCTCTTCTTTACACACACACACACAAATATCTGAT 51
Db 76 TCTCTTCTGACACACACACACACACACTCTCTCAT 122

RESULT 8

US-10-357-930-55243
Sequence 55243, Application US/10357930
Publication No. US20040259086A1
GENERAL INFORMATION:
APPLICANT: Schlegel, Robert
APPLICANT: Endege, Wilson
APPLICANT: Monahan, John
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
FILE REFERENCE: MRI-007BCN
CURRENT APPLICATION NUMBER: US/10/357,930
CURRENT FILING DATE: 2003-02-04
PRIOR APPLICATION NUMBER: 09/785,276
PRIOR FILING DATE: 2003-02-16
PRIOR APPLICATION NUMBER: 60/183,319
PRIOR FILING DATE: 2000-02-17
PRIOR APPLICATION NUMBER: 60/189,862
PRIOR FILING DATE: 2000-03-16
PRIOR APPLICATION NUMBER: 60/207,454
PRIOR FILING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: 60/211,314
PRIOR FILING DATE: 2000-06-09
PRIOR APPLICATION NUMBER: 60/219,007
PRIOR FILING DATE: 2000-07-18
PRIOR APPLICATION NUMBER: 60/255,281
PRIOR FILING DATE: 2000-12-13
NUMBER OF SEQ ID NOS: 62232
SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 55243
LENGTH: 621
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 31
OTHER INFORMATION: n = A,T,C or G
US-10-357-930-55243

Query Match 72.5%; Score 37; DB 20; Length 621;
Best Local Similarity 88.9%; Pred. No. 0.0034;
Matches 40; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 5 TCTCTTCTTACACACACACACACACAAATATCTG 49
DB 161 TCTCTCTTACACACACACACACACACAAATTAAGTGTG 205

RESULT 9
US-10-160-807-4/c
Sequence 4, Application US/10160807
Publication No. US2003024514A1
GENERAL INFORMATION:
APPLICANT: William Gaarde
APPLICANT: Susan M. Freier
APPLICANT: Andrew T. Walt
TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-DELTA EXPRESSION
FILE REFERENCE: RTS-0189
CURRENT APPLICATION NUMBER: US/10/160,807
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 296
SEQ ID NO 4
LENGTH: 104245
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:

US-10-160-807-4
Query Match 72.2%; Score 36.8; DB 17; Length 104245;
Best Local Similarity 85.4%; Pred. No. 0.01;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTTACACACACACACACACAAATATCT 48
DB 90002 CACATCTCTTCTTTCAACACACACACACACACAGTTCT 89955

RESULT 10
US-10-655-847-4/c
Sequence 4, Application US/10655847
Publication No. US20040063129A1
GENERAL INFORMATION:
APPLICANT: William Gaarde
APPLICANT: Susan M. Freier
APPLICANT: Andrew T. Walt
TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-DELTA EXPRESSION
FILE REFERENCE: RTS-0189
CURRENT APPLICATION NUMBER: US/10/655,847
CURRENT FILING DATE: 2003-09-05
PRIOR APPLICATION NUMBER: US/10/160,807
PRIOR FILING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 296
SEQ ID NO 4
LENGTH: 104245
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
US-10-655-847-4

Query Match 72.2%; Score 36.8; DB 18; Length 104245;
Best Local Similarity 85.4%; Pred. No. 0.01;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTTACACACACACACACACAAATATCT 48
DB 90002 CACATCTCTTCTTTCAACACACACACACACACAGTTCT 89955

RESULT 11
US-10-717-597-322
Sequence 322, Application US/10717597
Publication No. US20040110221A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Butczynski, Michael E.
APPLICANT: Twine, Natalie C.
APPLICANT: Dorneier, Andrew J.
APPLICANT: Trepicchio, William L.
APPLICANT: Stonim, Donna K.
APPLICANT: Scovier, Jennifer A.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
FILE REFERENCE: AM101080L
CURRENT APPLICATION NUMBER: US/10/717,597
CURRENT FILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 60/459,782
PRIOR FILING DATE: 2003-04-03
PRIOR APPLICATION NUMBER: US 60/427,982
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: PatentIn version 3.2
SEQ ID NO 322
LENGTH: 170245
TYPE: DNA
ORGANISM: Homo sapiens
US-10-717-597-322

Query Match 72.2%; Score 36.8; DB 19; Length 170245;
Best Local Similarity 85.4%; Pred. No. 0.011;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTTACACACACACACACACAAATATCT 48
DB 80244 CACATCTCTTCTTTCAACACACACACACACACAGTTCT 80291

RESULT 12
US-10-674-124A-18213
Sequence 18213, Application US/10674124A
Publication No. US20040197979A1
GENERAL INFORMATION:
APPLICANT: INOKO, Hidetoshi
APPLICANT: TAMIYA, Gen
TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
FILE REFERENCE: ORIN-003CTP
CURRENT APPLICATION NUMBER: US/10/674,124A
CURRENT FILING DATE: 2003-09-26
PRIOR APPLICATION NUMBER: 10/257,511
PRIOR FILING DATE: 2003-03-07
PRIOR APPLICATION NUMBER: PCT/JP00/07621
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: JP2000-112699
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: JP2002-327516
PRIOR FILING DATE: 2002-09-28
PRIOR APPLICATION NUMBER: JP2002-383869
PRIOR FILING DATE: 2002-12-09
NUMBER OF SEQ ID NOS: 27110
SEQ ID NO 18213
LENGTH: 419
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: AC004802.1_36841
US-10-674-124A-18213

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; OTHER INFORMATION: Located on chromosome 12
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 1189010
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 223511
US-10-674-124A-18213

Query Match
Best Local Similarity 71.0%; Score 36.2; DB 19; Length 419;
Pred. No. 0.006; Mismatches 8; Indels 0; Gaps 0;
Matches 41; Conservative 0;

1 CCCATCTCTTTCTTTACACACACACACACACAAATATCTG 49
243 CCCATGTGTCTTTATACACACACACACACACACACTTCTG 291

RESULT 13
US-10-027-632-259460/c
; Sequence 259460, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 259460
; LENGTH: 657
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-259460

Query Match
Best Local Similarity 70.6%; Score 36; DB 13; Length 657;
Pred. No. 0.0076; Mismatches 0; Indels 0; Gaps 0;
Matches 36; Conservative 0;

5 TCTCTTTCTTTACACACACACACACACAAATATCTG 40
174 TCTCTTTCTTTACACACACACACACACACACACACA 139

RESULT 14
US-10-027-632-259460/c
; Sequence 259460, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
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; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 259460
; LENGTH: 657
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-259460

Query Match
Best Local Similarity 70.6%; Score 36; DB 17; Length 657;
Pred. No. 0.0076; Mismatches 0; Indels 0; Gaps 0;
Matches 36; Conservative 0;

5 TCTCTTTCTTTACACACACACACACACAAATATCTG 40
174 TCTCTTTCTTTACACACACACACACACACACACACA 139

RESULT 15
US-10-756-149-1160/c
; Sequence 1160, Application US/10756149
; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
; METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
; FILE REFERENCE: file
; CURRENT APPLICATION NUMBER: US/10/756,149
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1160
; LENGTH: 754
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-756-149-1160

Query Match
Best Local Similarity 70.6%; Score 36; DB 22; Length 754;
Pred. No. 0.0078; Mismatches 5; Indels 0; Gaps 0;
Matches 39; Conservative 0;

5 TCTCTTTCTTTACACACACACACACACAAATATCTG 48
311 TCTCTTTCTTTACACACACACACACACACACACACA 268

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Job time : 3976 secs
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OM nucleic - nucleic search, using sw model

Run on: September 1, 2005, 19:10:18 ; Search time 4.6877 Seconds
(without alignments)
7679.264 Million cell updates/sec

Title: US-09-909-317-1

Perfect score: 22
Sequence: 1 gatcccccatctctctctc 22

Scoring table: IDENTITY NUC
Gapop 10'-0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	22	100.0	22	US-09-280-181B-1	Sequence 1, Appli
2	18.4	83.6	34408	US-09-949-016-14010	Sequence 14010, A
3	17.8	80.9	366	US-09-248-796A-10881	Sequence 10881, A
4	17.8	80.9	601	US-09-949-016-80901	Sequence 80901, A
5	17.8	80.9	601	US-09-949-016-111397	Sequence 111397, A
6	17.8	80.9	711	US-09-248-796A-2809	Sequence 2809, Ap
7	17.8	80.9	45086	US-09-949-016-14816	Sequence 14816, A
8	17.8	80.9	49378	US-09-949-016-13408	Sequence 13408, A
9	17.8	80.9	199471	US-09-949-016-14083	Sequence 14083, A
10	17.4	79.1	601	US-09-949-016-69074	Sequence 69074, A
11	17.4	79.1	601	US-09-949-016-137497	Sequence 137497, A
12	17.4	79.1	19503	US-09-949-016-16528	Sequence 16528, A
13	17.4	79.1	53336	US-09-949-016-12500	Sequence 12500, A
14	17.4	79.1	53337	US-09-949-016-16092	Sequence 16092, A
15	17.4	79.1	58844	US-09-949-016-13769	Sequence 13769, A
16	17.4	79.1	96739	US-09-949-016-15606	Sequence 15606, A
17	17.2	78.2	429	US-09-621-976-9098	Sequence 9098, Ap
18	17.2	78.2	813	US-09-308-386A-2	Sequence 2, Appli
19	17.2	78.2	1087	US-09-372-422A-29	Sequence 29, Appli
20	17.2	78.2	5357	US-09-979-765-1	Sequence 1, Appli
21	17.2	78.2	16216	US-09-949-016-17377	Sequence 17377, A
22	17.2	78.2	41454	US-09-949-016-17107	Sequence 17107, A
23	17.2	78.2	46085	US-09-949-016-13547	Sequence 13547, A
24	17.2	78.2	46085	US-09-949-016-13547	Sequence 13547, A
25	17.2	78.2	85122	US-09-949-016-14653	Sequence 14653, A
26	17.2	78.2	98864	US-09-949-016-15403	Sequence 15403, A
27	17.2	78.2	114793	US-10-148-806-3	Sequence 3, Appli

C 28	17.2	78.2	119214	4	US-09-949-016-12507	Sequence 12507, A
29	17.2	78.2	237863	4	US-09-949-016-13404	Sequence 13404, A
C 30	16.8	76.4	170	4	US-09-513-999C-29029	Sequence 29029, A
C 31	16.8	76.4	301	2	US-08-332-766A-23	Sequence 23, Appli
C 32	16.8	76.4	344	4	US-09-513-999C-32790	Sequence 32790, A
C 33	16.8	76.4	521	3	US-09-468-744A-10	Sequence 10, Appli
34	16.8	76.4	601	4	US-09-949-016-53550	Sequence 53550, A
35	16.8	76.4	601	4	US-09-949-016-133079	Sequence 133079, A
36	16.8	76.4	601	4	US-09-949-016-133080	Sequence 133080, A
37	16.8	76.4	601	4	US-09-949-016-140928	Sequence 140928, A
C 38	16.8	76.4	601	4	US-09-949-016-156380	Sequence 156380, A
C 39	16.8	76.4	601	4	US-09-949-016-160881	Sequence 160881, A
C 40	16.8	76.4	601	4	US-09-949-016-160882	Sequence 160882, A
41	16.8	76.4	601	4	US-09-949-016-196595	Sequence 196595, A
42	16.8	76.4	601	4	US-09-949-016-196596	Sequence 196596, A
C 43	16.8	76.4	601	4	US-09-949-016-202254	Sequence 202254, A
C 44	16.8	76.4	675	4	US-09-248-796A-2987	Sequence 2987, Ap
45	16.8	76.4	865	4	US-09-270-767-4587	Sequence 4587, Ap

ALIGNMENTS

```

RESULT 1
US-09-280-181B-1
; Sequence 1, Application US/09280181B
; Patent No. 6280941
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: P07 41735
; CURRENT APPLICATION NUMBER: US/09/280,181B
; CURRENT FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-280-181B-1

Query Match      100.0%; Score 22; DB 3; Length 22;
Best Local Similarity 100.0%; Pred. No. 1.2;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GATTTCCCATCTCTCTTTCTT 22
Db      1 GATTTCCCATCTCTCTTTCTT 22

RESULT 2
US-09-949-016-14010/c
; Sequence 14010, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14010
; LENGTH: 34408

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TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)-(34408)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14010

Query Match
Best Local Similarity 83.6%; Score 18.4; DB 4; Length 34408;
Best Local Similarity 95.0%; Pred. No. 1e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TTCCCATCTCTCTTTCTTT 22
DB 1839 TTCCCATCTCTCTTTCTTT 1820

RESULT 3
US-09-248-796A-10881
Sequence 10881, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstein et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 10881
LENGTH: 366
TYPE: DNA
ORGANISM: Candida albicans
US-09-248-796A-10881

Query Match
Best Local Similarity 80.9%; Score 17.8; DB 4; Length 366;
Best Local Similarity 90.5%; Pred. No. 1.1e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 22
DB 138 ATTCCCATCTCTCTTTCTTT 158

RESULT 4
US-09-949-016-80901
Sequence 80901, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 80901
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-80901

Query Match
Best Local Similarity 80.9%; Score 17.8; DB 4; Length 601;
Best Local Similarity 90.5%; Pred. No. 1.2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 22
DB 227 ATTCCCATCTCTCTTTCTTT 247

RESULT 5
US-09-949-016-111397/C
Sequence 111397, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 111397
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-111397

Query Match
Best Local Similarity 80.9%; Score 17.8; DB 4; Length 601;
Best Local Similarity 90.5%; Pred. No. 1.2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 22
DB 36 ATTCCCATCTCTCTTTCTTT 16

RESULT 6
US-09-248-796A-2809/C
Sequence 2809, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstein et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 2809
LENGTH: 711
TYPE: DNA
ORGANISM: Candida albicans
US-09-248-796A-2809

Query Match
Best Local Similarity 80.9%; Score 17.8; DB 4; Length 711;
Best Local Similarity 90.5%; Pred. No. 1.2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTTCTTT 22
DB 600 ATTCCCATCTCTCTTTCTTT 580

RESULT 7
US-09-949-016-14816
; Sequence 14816, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14816
; LENGTH: 45086
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14816

Query Match 80.9%; Score 17.8; DB 4; Length 45086;
Best Local Similarity 90.5%; Pred. No. 1.9e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTCTT 22
Db 30163 ATTCCCATCTCTCTTCTT 30183

RESULT 8
US-09-949-016-13408
; Sequence 13408, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14,755
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13408
; LENGTH: 49378
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13408

Query Match 80.9%; Score 17.8; DB 4; Length 49378;
Best Local Similarity 90.5%; Pred. No. 2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTCTT 22
Db 5375 ATTCCCATCTCTCTTCTT 5395

RESULT 9
US-09-949-016-14083/c
; Sequence 14083, Application US/09949016
; Patent No. 6812339

; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14083
; LENGTH: 199471
; TYPE: DNA
; ORGANISM: Human
; FEATURES:
; NAME/KEY: misc feature
; LOCATION: (1)..(199471)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14083

Query Match 80.9%; Score 17.8; DB 4; Length 199471;
Best Local Similarity 90.5%; Pred. No. 2.3e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTCTT 22
Db 25857 ATTCCCATCTCTCTTCTT 25837

RESULT 10
US-09-949-016-69074/c
; Sequence 69074, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14,755
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 69074
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-69074

Query Match 79.1%; Score 17.4; DB 4; Length 601;
Best Local Similarity 94.7%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTCTT 20
Db 331 ATTCCCATCTCTCTTCTT 313

RESULT 11
US-09-949-016-137497/c
; Sequence 137497, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

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APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 137497
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-137497
```

```
Query Match          79.1%; Score 17.4; DB 4; Length 601;
Best Local Similarity 94.7%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
QY      1 GATTCCCATCTCTCTTTC 19
Db      539 GATTCCCATCTCTCTTC 521
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```
RESULT 12
US-09-949-016-16528/c
Sequence 16528, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 16528
LENGTH: 19503
TYPE: DNA
ORGANISM: Human
US-09-949-016-16528
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```
Query Match          79.1%; Score 17.4; DB 4; Length 19503;
Best Local Similarity 94.7%; Pred. No. 2.6e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
QY      4 TCCCATCTCTCTTCTT 22
Db      3766 TCCCATCTCTCTTCTT 3748
```

```
RESULT 13
US-09-949-016-12500
Sequence 12500, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
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CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12500
LENGTH: 53336
TYPE: DNA
ORGANISM: Human
US-09-949-016-12500
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```
Query Match          79.1%; Score 17.4; DB 4; Length 53336;
Best Local Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
QY      4 TCCCATCTCTCTTCTT 22
Db      8772 TCCCATCTCTCTTCTT 8790
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```
RESULT 14
US-09-949-016-16092
Sequence 16092, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 16092
LENGTH: 53337
TYPE: DNA
ORGANISM: Human
US-09-949-016-16092
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```
Query Match          79.1%; Score 17.4; DB 4; Length 53337;
Best Local Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      4 TCCCATCTCTCTTCTT 22
Db      8772 TCCCATCTCTCTTCTT 8790
```

```
RESULT 15
US-09-949-016-13769
Sequence 13769, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
```


; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13769
; LENGTH: 58844
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13769

Query Match 79.1%; Score 17.4; DB 4; Length 58844;
Best Local Similarity 94.7%; Pred. No. 3e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 2 ATTCCCATCTCTTCT 20
Db 16891 ATTCCCATCTCTTCT 16909

Search completed: September 1, 2005, 20:40:35
Job time : 7.6877 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 1, 2005, 20:20:43 ; Search time 23.2273 Seconds
(without alignments)
6202.889 Million cell updates/sec

Title: US-09-909-317-1

Perfect score: 1 gattccccatctctctcttc 22

Scoring table: IDENTITY NUC
Gapop 10_0, Gapext 1_0

Searched: 7338684 seqs, 3274456166 residues

Total number of hits satisfying chosen parameters: 14677368

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database:

Published Applications NA:*

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- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
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- 6: /cgn2_6/ptodata/2/pubpna/PCRUS_PUBCOMB.seq:*
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- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq:*
- 18: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq:*
- 19: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq:*
- 20: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq:*
- 21: /cgn2_6/ptodata/2/pubpna/US10J_PUBCOMB.seq:*
- 22: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
- 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq:*
- 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
- 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	22	100.0	22	11	US-09-909-317-1
2	20	90.9	650	13	US-10-027-632-190184
3	20	90.9	650	17	US-10-027-632-190184
4	19	86.4	32189	9	US-09-764-878-379
5	19	86.4	32189	14	US-10-079-854-379
6	19	86.4	32221	9	US-09-764-878-377
7	19	86.4	32221	14	US-10-079-854-377

C	8	18.8	85.5	1334	15	US-10-180-375-7	Sequence 7, Appli
C	9	18.8	85.5	1334	17	US-10-183-687-23	Sequence 23, Appl
C	10	18.4	83.6	284	18	US-10-424-599-92893	Sequence 92893, A
C	11	18.4	83.6	1309	18	US-10-424-599-59036	Sequence 59036, A
C	12	18.4	83.6	6351	15	US-10-311-455-1419	Sequence 1419, Ap
C	13	18.4	83.6	6351	17	US-10-221-613-191	Sequence 191, App
C	14	18.4	83.6	23695	19	US-10-433-793-11	Sequence 11, Appl
C	15	18.4	83.6	54016	21	US-10-741-600-17886	Sequence 17886, A
C	16	18.4	83.6	127678	21	US-10-461-862-9	Sequence 9, Appl1
C	17	18.4	83.6	189817	21	US-10-741-601-5660	Sequence 5660, Ap
C	18	18.4	83.6	189817	21	US-10-741-600-17685	Sequence 17685, A
C	19	18.8	81.8	59017	18	US-10-242-535A-26433	Sequence 26433, A
C	20	18.8	81.8	500	18	US-10-085-783A-26433	Sequence 26433, A
C	21	18.8	81.8	73764	19	US-10-741-601-5616	Sequence 5616, Ap
C	22	17.8	80.9	324	18	US-10-424-599-31004	Sequence 31004, A
C	23	17.8	80.9	363	13	US-10-674-124A-23460	Sequence 23460, A
C	24	17.8	80.9	571	13	US-10-027-632-206913	Sequence 206913, A
C	25	17.8	80.9	571	13	US-10-027-632-206915	Sequence 206915, A
C	26	17.8	80.9	571	13	US-10-027-632-206913	Sequence 206913, A
C	27	17.8	80.9	571	17	US-10-027-632-206915	Sequence 206915, A
C	28	17.8	80.9	671	20	US-10-425-115-48053	Sequence 48053, A
C	29	17.8	80.9	1143	13	US-10-027-632-206914	Sequence 206914, A
C	30	17.8	80.9	7819	15	US-10-311-485-1925	Sequence 1925, Ap
C	31	17.8	80.9	7819	15	US-10-240-485-159	Sequence 159, App
C	32	17.8	80.9	20158	20	US-10-719-993-6760	Sequence 6760, Ap
C	33	17.8	80.9	49600	18	US-10-459-262A-3	Sequence 3, Appl1
C	34	17.8	80.9	91552	18	US-10-415-058-5	Sequence 5, Appl
C	35	17.8	80.9	96595	11	US-09-997-722-43	Sequence 43, Appl
C	36	17.8	80.9	2940917	13	US-10-027-632-174763	Sequence 174763, A
C	37	17.8	80.9	2940917	17	US-10-027-632-174763	Sequence 174763, A
C	38	17.8	79.1	2940917	21	US-10-741-600-26828	Sequence 101998, A
C	39	17.4	79.1	201	13	US-10-027-632-101998	Sequence 101998, A
C	40	17.4	79.1	720	17	US-10-027-632-101998	Sequence 94947, A
C	41	17.4	79.1	720	17	US-10-027-632-101998	Sequence 12634, A
C	42	17.4	79.1	1386	18	US-10-424-599-94947	Sequence 94947, A
C	43	17.4	79.1	1420	19	US-10-767-701-12634	Sequence 12634, A
C	44	17.4	79.1	1446	17	US-10-203-319A-22	Sequence 22, Appl
C	45	17.4	79.1	1446	17	US-10-203-319A-24	Sequence 24, Appl

ALIGNMENTS

RESULT 1
US-09-909-317-1
; Sequence 1, Application US/09909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatscSO for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-1

Query Match	100.0%	Score 22;	DB 11;	Length 22;
Best Local Similarity	100.0%	Pred. No. 6.7;		
Matches	22;	Conservative 0;	Mismatches 0;	Indels 0;
				Gaps 0;
QY	1	GATTTCCCATCTCTCTCTTTT	22	
DB	1	GATTTCCCATCTCTCTCTTTT	22	

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RESULT 2
US-10-027-632-190184/c
; Sequence 190184, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 190184
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-190184

Query Match
Best Local Similarity 90.9%; Score 20; DB 13; Length 650;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTCTT 22
Db 161 TTCCCATCTCTCTTCTT 142

```

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; ORGANISM: Human
US-10-027-632-190184

Query Match
Best Local Similarity 90.9%; Score 20; DB 17; Length 650;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTCTT 22
Db 161 TTCCCATCTCTCTTCTT 142

RESULT 4
US-09-764-878-379/c
; Sequence 379, Application US/09764878
; Patent No. US20020090615A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121
; CURRENT APPLICATION NUMBER: US/09/764,878
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PAM or file wrapper
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 379
; LENGTH: 32189
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-878-379

Query Match
Best Local Similarity 86.4%; Score 19; DB 9; Length 32189;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 TTCCCATCTCTCTTCTT 22
Db 19817 TTCCCATCTCTCTTCTT 19799

RESULT 5
US-10-079-854-379/c
; Sequence 379, Application US/10079854
; Publication No. US20030054368A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121C1
; CURRENT APPLICATION NUMBER: US/10/079,854
; CURRENT FILING DATE: 2002-02-22
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 379
; LENGTH: 32189
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-079-854-379

Query Match
Best Local Similarity 86.4%; Score 19; DB 14; Length 32189;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 TTCCCATCTCTTCTTCTT 22
Db 19817 TTCCCATCTCTTCTTCTT 19799

RESULT 6
US-09-764-878-377/c
; Sequence 377, Application US/09764878
; Patent No. US20020090615A1
; GENERAL INFORMATION:

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; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121
; CURRENT APPLICATION NUMBER: US/09/764,878
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 377
; LENGTH: 32221
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (7464)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-878-377
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```

Query Match      86.4%; Score 19; DB 9; Length 32221;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      4 TCCCATCTCTCTTTCTT 22
Db      19848 TCCCATCTCTCTTTCTT 19830
```

```

RESULT 7
US-10-079-854-377/c
; Sequence 377, Application US/10079854
; Publication No. US20030054368A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121C1
; CURRENT APPLICATION NUMBER: US/10/079,854
; CURRENT FILING DATE: 2002-02-22
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 377
; LENGTH: 32221
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (7464)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-079-854-377
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Query Match      86.4%; Score 19; DB 14; Length 32221;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      4 TCCCATCTCTCTTTCTT 22
Db      19848 TCCCATCTCTCTTTCTT 19830
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```

RESULT 8
US-10-180-375-7/c
; Sequence 7, Application US/10180375
; Publication No. US20030126638A1
; GENERAL INFORMATION:
; APPLICANT: Allen, William B.
; APPLICANT: Cahoon, Rebecca E.
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Harwell, Leslie T.
; APPLICANT: Helenczarski, Timothy
; APPLICANT: Li, Changliang
; APPLICANT: Lowe, Keith
; APPLICANT: Oliveira, Igor Cunha
; APPLICANT: Shen, Bo
```

```

; APPLICANT: Tarczyński, Mitchell C.
; TITLE OF INVENTION: Alteration Of Oil Traits In Plants
; FILE REFERENCE: BBI458 US NA1
; CURRENT APPLICATION NUMBER: US/10/180,375
; CURRENT FILING DATE: 2002-06-26
; NUMBER OF SEQ ID NOS: 222
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 7
; LENGTH: 1334
; TYPE: DNA
; ORGANISM: Vitis sp.
US-10-180-375-7
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Query Match      85.5%; Score 18.8; DB 15; Length 1334;
Best Local Similarity 90.9%; Pred. No. 1.9e+02;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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```
QY      1 GATTCCCATCTCTCTTTCTT 22
Db      1238 GATTCCCATCTCTCTGTCTT 1217
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```

RESULT 9
US-10-183-687-23/c
; Sequence 23, Application US/10183687
; Publication No. US20030204870A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Steve
; APPLICANT: Allen, William B.
; APPLICANT: Cahoon, Rebecca
; APPLICANT: Ebelbaum, Sabine
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Harwell, Leslie T.
; APPLICANT: Jones, Todd
; APPLICANT: Kinney, Tony
; APPLICANT: Klein, Ted
; APPLICANT: Li, Changliang
; APPLICANT: Oliveira, Igor Cunha
; APPLICANT: Sakai, Hajime
; APPLICANT: Shen, Bo
; APPLICANT: Tarczyński, Mitchell C.
; TITLE OF INVENTION: Alteration Of Oil Traits In Plants
; FILE REFERENCE: BBI458 US NA
; CURRENT APPLICATION NUMBER: US/10/183,687
; CURRENT FILING DATE: 2002-06-27
; Prior Application Number: 60/301,913
; Prior Filing Date: 2001-06-29
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 23
; LENGTH: 1334
; TYPE: DNA
; ORGANISM: Vitis sp.
US-10-183-687-23
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Query Match      85.5%; Score 18.8; DB 17; Length 1334;
Best Local Similarity 90.9%; Pred. No. 1.9e+02;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 GATTCCCATCTCTCTTTCTT 22
Db      1238 GATTCCCATCTCTGTCTT 1217
```

```

RESULT 10
US-10-424-599-92893/c
; Sequence 92893, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
```

```
/ TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53223)B
/ CURRENT APPLICATION NUMBER: US/10/424,599
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 285684
/ SEQ ID NO 92893
/ LENGTH: 284
/ TYPE: DNA
/ ORGANISM: Glycine max
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: (1)..(284)
/ OTHER INFORMATION: unsure at all n locations
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT3847_54898C.1
/ US-10-424-599-92893
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Query Match      83.6%; Score 18.4; DB 18; Length 284;
Best Local Similarity 95.0%; Pred. No. 2.6e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

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QY      3 TTCCCATCTCTCTTTCTT 22
Db      49 TTCCCATCTCTCTGTTCTT 30
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```
RESULT 11
US-10-424-599-59036/c
/ Sequence 59036, Application US/10424599
/ Publication No. US20040031072A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa Thomas J
/ APPLICANT: Kovalic David K
/ APPLICANT: Zhou Yihua
/ APPLICANT: Cao Yongwei
/ TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
/ TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
/ FILE REFERENCE: 38-21(53223)B
/ CURRENT APPLICATION NUMBER: US/10/424,599
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 285684
/ SEQ ID NO 59036
/ LENGTH: 1309
/ TYPE: DNA
/ ORGANISM: Glycine max
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT3847_24320C.1
/ US-10-424-599-59036
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```
Query Match      83.6%; Score 18.4; DB 18; Length 1309;
Best Local Similarity 95.0%; Pred. No. 2.8e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
QY      3 TTCCCATCTCTCTTTCTT 22
Db      57 TTCCCATCTCTCTGTTCTT 38
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```
RESULT 12
US-10-311-455-1419/c
/ Sequence 1419, Application US/10311455
/ Publication No. US20030143606A1
/ GENERAL INFORMATION:
/ APPLICANT: OLEK, Alexander
/ APPLICANT: PIEPENBROCK, Christian
/ APPLICANT: BERLIN, Kurt
/ TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determ
/ TITLE OF INVENTION: Cytosine methylation
/ FILE REFERENCE: 5013.1014
/ CURRENT APPLICATION NUMBER: US/10/311,455
/ CURRENT FILING DATE: 2002-12-16
/ PRIOR APPLICATION NUMBER: PCT/EP01/07537
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/ PRIOR FILING DATE: 2001-07-02
/ PRIOR APPLICATION NUMBER: DE 10032529.7
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: DE 10043826.1
/ PRIOR FILING DATE: 2000-09-01
/ NUMBER OF SEQ ID NOS: 2424
/ SEQ ID NO 1419
/ LENGTH: 6351
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
/ US-10-311-455-1419
```

```
Query Match      83.6%; Score 18.4; DB 15; Length 6351;
Best Local Similarity 95.0%; Pred. No. 3e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      3 TTCCCATCTCTCTTTCTT 22
Db      4736 TTCCCATCTCTCTTTCTT 4717
```

```
RESULT 13
US-10-221-613-191/c
/ Sequence 191, Application US/10221613
/ Publication No. US20040029123A1
/ GENERAL INFORMATION:
/ APPLICANT: OLEK, Alexander
/ APPLICANT: PIEPENBROCK, Christian
/ APPLICANT: BERLIN, Kurt
/ TITLE OF INVENTION: Diagnosis of Diseases Associated with Cell Cycle
/ FILE REFERENCE: 5013.1004
/ CURRENT APPLICATION NUMBER: US/10/221,613
/ CURRENT FILING DATE: 2002-09-13
/ PRIOR APPLICATION NUMBER: PCT/EP01/02945
/ DE 10013847.00
/ DE 10019058.8
/ DE 10019173.8
/ DE 10032529.7
/ DE 10043826.1
/ PRIOR FILING DATE: 2001-03-15
/ 2000-03-15
/ 2000-04-06
/ 2000-04-07
/ 2000-06-30
/ 2000-09-01
/ NUMBER OF SEQ ID NOS: 428
/ SEQ ID NO 191
/ LENGTH: 6351
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
/ US-10-221-613-191
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```
Query Match      83.6%; Score 18.4; DB 17; Length 6351;
Best Local Similarity 95.0%; Pred. No. 3e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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```
QY      3 TTCCCATCTCTCTTTCTT 22
Db      4736 TTCCCATCTCTCTTTCTT 4717
```

```
RESULT 14
US-10-433-793-11/c
/ Sequence 11, Application US/10433793
/ Publication No. US20040142334A1
/ GENERAL INFORMATION:
/ APPLICANT: Epigenomics AG
/ TITLE OF INVENTION: Diagnose von mit Angiogenese assoziierten Krankheiten
/ FILE REFERENCE:
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; CURRENT APPLICATION NUMBER: US/10/433,793
; CURRENT FILING DATE: 2003-06-06
; NUMBER OF SEQ ID NOS: 212
; SEQ ID NO 11
; LENGTH: 23695
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-433-793-11

```

```

Query Match      83.6%; Score 18.4; DB 19; Length 23695;
Best Local Similarity 95.0%; Pred. No. 3.2e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      3 TTCCCATCTCTCTTTCTT 22
         |||||
Db      4736 TTCCCATCTCTCTTTCTT 4717

```

```

RESULT 15
US-10-741-600-17886/c
; Sequence 17886, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17886
; LENGTH: 54016
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(54016)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-10-741-600-17886

```

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Query Match      83.6%; Score 18.4; DB 21; Length 54016;
Best Local Similarity 95.0%; Pred. No. 3.3e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

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QY      3 TTCCCATCTCTCTTTCTT 22
         |||||
Db      5841 TTCCCATCTCTCTTTCTT 5822

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Search completed: September 2, 2005, 03:53:45
Job time : 30.2273 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 1, 2005, 19:10:18 ; Search time 4.26155 Seconds
(without alignments)
7679.264 Million cell updates/sec

Title: US-09-909-317-2

Perfect score: 20

Sequence: 1 aaattggtgtaactgca 20

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PTCUTS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	20	100.0	20	3	US-09-280-181B-2
2	16.8	84.0	325	4	US-08-956-171E-1722
3	16.8	84.0	325	4	US-08-781-986A-1722
4	16.8	84.0	601	4	US-09-949-016-87851
5	16.8	84.0	601	4	US-09-949-016-87852
6	16.8	84.0	601	4	US-09-949-016-87852
7	16.8	84.0	601	4	US-09-949-016-87852
8	16.8	84.0	601	4	US-09-949-016-87852
9	16.8	84.0	601	4	US-09-949-016-87852
10	16.8	84.0	23439	4	US-08-956-171E-38
11	16.8	84.0	62908	4	US-09-949-016-17554
12	16.8	84.0	86439	4	US-09-949-016-11945
13	16.8	84.0	86440	4	US-09-949-016-16990
14	16.8	84.0	123463	4	US-09-949-016-17078
15	16.8	84.0	123427	4	US-09-949-016-12257
16	16.8	84.0	129327	4	US-09-949-016-15368
17	16.8	84.0	168337	4	US-09-949-016-15999
18	16.8	84.0	233024	4	US-09-949-016-13477
19	16.8	84.0	254964	4	US-09-949-016-12583
20	16.8	84.0	254964	4	US-09-949-016-17392
21	16.8	84.0	670689	4	US-09-949-016-17392
22	16.8	84.0	670689	4	US-09-949-016-12505
23	16.8	84.0	786431	4	US-09-949-016-14207
24	16.8	82.0	271	3	US-09-751-389-3
25	16.4	82.0	271	4	US-09-222-575-50
26	16.4	82.0	271	4	US-09-389-681-50
27	16.4	82.0	271	4	US-09-620-405B-50

C	28	16.4	82.0	271	4	US-09-433-826B-50	Sequence 50, Appl
C	29	16.4	82.0	271	4	US-09-604-287A-50	Sequence 50, Appl
C	30	16.4	82.0	271	4	US-09-285-480-50	Sequence 50, Appl
C	31	16.4	82.0	271	4	US-09-834-759-50	Sequence 50, Appl
C	32	16.4	82.0	271	4	US-09-590-751A-50	Sequence 50, Appl
C	33	16.4	82.0	271	4	US-09-551-621-50	Sequence 50, Appl
C	34	16.4	82.0	580	4	US-09-702-705-1279	Sequence 1279, Ap
C	35	16.4	82.0	580	4	US-09-736-457-1279	Sequence 1279, Ap
C	36	16.4	82.0	580	4	US-09-614-124B-1279	Sequence 1279, Ap
C	37	16.4	82.0	580	4	US-09-671-325-1279	Sequence 1279, Ap
C	38	16.4	82.0	580	4	US-09-658-824-1279	Sequence 1279, Ap
C	39	16.4	82.0	601	4	US-09-949-016-157857	Sequence 157857,
C	40	16.4	82.0	601	4	US-09-949-016-157858	Sequence 157858,
C	41	16.4	82.0	601	4	US-09-949-016-157859	Sequence 157859,
C	42	16.4	82.0	601	4	US-09-949-016-157860	Sequence 157860,
C	43	16.4	82.0	639	3	US-09-221-017B-741	Sequence 741, App
C	44	16.4	82.0	1001	4	US-09-671-317-149	Sequence 149, App
C	45	16.4	82.0	2279	4	US-09-702-705-1792	Sequence 1792, App

ALIGNMENTS

```
RESULT 1
US-09-280-181B-2
; Sequence 2, Application US/09280181B
; Patent No. 6280941
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: P07 41735
; CURRENT APPLICATION NUMBER: US/09/280,181B
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-280-181B-2

Query Match      100.0%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.59;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AAATTGCTATGACTGCA 20
Db      1 AAATTGCTATGACTGCA 20

RESULT 2
US-08-956-171E-1722/c
; Sequence 1722, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; APPLICANT: Gil H. Choi
; APPLICANT: Patrick S. Dillon
; APPLICANT: Craig A. Rosen
; APPLICANT: Steven C. Barash
; APPLICANT: Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
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MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,171E
FILING DATE: 20-OCT-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB248P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 1722:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1722:
US-08-956-171E-1722

Query Match 84.0%; Score 16.8; DB 4; Length 325;
Best Local Similarity 90.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATGTGTATGACTGCA 20
Db 57 AACGTGTATGACTGCA 38

RESULT 3
US-08-781-986A-1722/c
Sequence 1722, Application US/08781986A
Patent No. 6737248
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5255
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781,986A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Benson, Bob
REGISTRATION NUMBER: 30,446
REFERENCE/DOCKET NUMBER: PB248PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 1722:

SEQUENCE CHARACTERISTICS:
LENGTH: 325 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-1722

Query Match 84.0%; Score 16.8; DB 4; Length 325;
Best Local Similarity 90.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATGTGTATGACTGCA 20
Db 57 AACGTGTATGACTGCA 38

RESULT 4
US-09-949-016-87851/c
Sequence 87851, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 87851
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-87851

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATGTGTATGACTGCA 20
Db 250 AAATGTGTATGACTGCA 231

RESULT 5
US-09-949-016-87852/c
Sequence 87852, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 87852
LENGTH: 601
TYPE: DNA
ORGANISM: Human

US-09-949-016-87852

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGCGTAATGACTGCA 20
DB 249 AAATGAGGTAATGATTGCA 230

RESULT 6

US-09-949-016-183202/c
; Sequence 183202, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ. ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 183202
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-183202

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGCGTAATGACTGCA 20
DB 156 AAATGCGTATGATTGCA 137

RESULT 7

US-09-949-016-186785/c
; Sequence 186785, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ. ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 186785
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-186785

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGCGTAATGACTGCA 20
DB 520 AAATGCGTATGATTGCA 373

RESULT 8

US-09-949-016-186786/c
; Sequence 186786, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ. ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 186786
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-186786

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGCGTAATGACTGCA 20
DB 392 AAATGCGTATGATTGCA 373

RESULT 9

US-08-956-171E-38
; Sequence 38, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; City: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986

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; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
;   NAME: Mark J. Hyman
;   REGISTRATION NUMBER: 46,789
;   REFERENCE/DOCKET NUMBER: PB248P1
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (240) 314-1124
;   TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 38:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 23439 base pairs
;     TYPE: nucleic acid
;     STRANDEDNESS: double
;     TOPOLOGY: linear
; US-08-956-171E-38
;
; Query Match      84.0%; Score 16.8; DB 4; Length 23439;
; Best Local Similarity 90.0%; Pred. No. 87;
; Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
QY      1 AAATGTGTAATGACTGCA 20
DB      22929 AACGTGTGTAATGACTGCA 22948

RESULT 10
; US-08-781-986A-38
; Sequence 38, Application US/08781986A
; Patent No. 6737248
; GENERAL INFORMATION:
;   APPLICANT: Charles Kunach
;   TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
;   NUMBER OF SEQUENCES: 5255
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Human Genome Sciences, Inc.
;     STREET: 9410 Key West Avenue
;     CITY: Rockville
;     STATE: Maryland
;     COUNTRY: USA
;     ZIP: 20850
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
;   COMPUTER: HP Vectra 486/33
;   OPERATING SYSTEM: MSDOS version 6.2
;   SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/781,986A
;   FILING DATE:
;   CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:
;     FILING DATE:
; ATTORNEY/AGENT INFORMATION:
;   NAME: Benson, Bob
;   REGISTRATION NUMBER: 30,446
;   REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (301) 309-8504
;   TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 38:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 23439 base pairs
;     TYPE: nucleic acid
;     STRANDEDNESS: double
;     TOPOLOGY: linear
; US-08-781-986A-38
;
; Query Match      84.0%; Score 16.8; DB 4; Length 23439;
; Best Local Similarity 90.0%; Pred. No. 87;
; Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
QY      1 AAATGTGTAATGACTGCA 20
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DB      22929 AACGTGTGTAATGACTGCA 22948

RESULT 11
; US-09-949-016-1755A/C
; Sequence 17554, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;     WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CL001307
;   CURRENT APPLICATION NUMBER: US/09/949,016
;   CURRENT FILING DATE: 2000-04-14
;   PRIOR APPLICATION NUMBER: 60/241,755
;   PRIOR FILING DATE: 2000-10-20
;   PRIOR APPLICATION NUMBER: 60/237,768
;   PRIOR FILING DATE: 2000-10-03
;   PRIOR APPLICATION NUMBER: 60/231,498
;   PRIOR FILING DATE: 2000-09-08
;   NUMBER OF SEQ ID NOS: 207012
;   SOFTWARE: FastSeq for Windows Version 4.0
;   SEQ ID NO: 17554
;   LENGTH: 62908
;   TYPE: DNA
;   ORGANISM: Human
;   FEATURE:
;     NAME/KEY: misc feature
;     LOCATION: (1)..(62908)
;     OTHER INFORMATION: n = A,T,C or G
; US-09-949-016-1755A
;
; Query Match      84.0%; Score 16.8; DB 4; Length 62908;
; Best Local Similarity 90.0%; Pred. No. 1e+02;
; Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
QY      1 AAATGTGTAATGACTGCA 20
DB      38163 AACGTGTGTAATGACTGCA 38144

RESULT 12
; US-09-949-016-11945/C
; Sequence 11945, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;     WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CL001307
;   CURRENT APPLICATION NUMBER: US/09/949,016
;   CURRENT FILING DATE: 2000-04-14
;   PRIOR APPLICATION NUMBER: 60/241,755
;   PRIOR FILING DATE: 2000-10-20
;   PRIOR APPLICATION NUMBER: 60/237,768
;   PRIOR FILING DATE: 2000-10-03
;   PRIOR APPLICATION NUMBER: 60/231,498
;   PRIOR FILING DATE: 2000-09-08
;   NUMBER OF SEQ ID NOS: 207012
;   SOFTWARE: FastSeq for Windows Version 4.0
;   SEQ ID NO: 11945
;   LENGTH: 86439
;   TYPE: DNA
;   ORGANISM: Human
; US-09-949-016-11945
;
; Query Match      84.0%; Score 16.8; DB 4; Length 86439;
; Best Local Similarity 90.0%; Pred. No. 1.1e+02;
; Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
QY      1 AAATGTGTAATGACTGCA 20
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Db 23617 AAATTGGTGAATGATTGCA 23598

RESULT 13

US-09-949-016-16990/C
; Sequence 16990, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16990
; LENGTH: 86440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16990

Query Match 84.0%; Score 16.8; DB 4; Length 86440;
Best Local Similarity 90.0%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGGTGAATGACTGCA 20
Db 23617 AAATTGGTGAATGATTGCA 23598

RESULT 14

US-09-949-016-17078/C
; Sequence 17078, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17078
; LENGTH: 123463
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(123463)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17078

Query Match 84.0%; Score 16.8; DB 4; Length 123463;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGGTGAATGACTGCA 20
Db 29756 AAATGGTGAATGACTGCA 29737

RESULT 15

US-09-949-016-12257/C
; Sequence 12257, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12257
; LENGTH: 129327
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(129327)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12257

Query Match 84.0%; Score 16.8; DB 4; Length 129327;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGGTGAATGACTGCA 20
Db 68053 AAATGGTGAATGACTGCA 68034

Search completed: September 1, 2005, 20:40:38
Job time: 7.26155 secs

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OM nucleic - nucleic search, using sw model

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(without alignments)
6202.889 Million cell updates/sec

Title: US-09-909-317-2

Perfect score: 20

Sequence: 1 aaattgtgtaatgactgca 20

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 7338684 seqs, 3274456166 residues

Total number of hits satisfying chosen parameters: 14677368

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database:

Published Applications NA:*

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- 11: /cgn2_6/ptodata/2/pubpna/US09C_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
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- 16: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
- 18: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
- 19: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
- 20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq:*
- 21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq:*
- 22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 23: /cgn2_6/ptodata/2/pubpna/US11_PUBCOMB.seq:*
- 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
- 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	20	100.0	20	11	US-09-909-317-2
2	20	100.0	20	11	US-09-909-317-2
3	18.4	92.0	21	11	US-10-774-355A-643
4	18	90.0	19	11	US-10-322-281-560
5	16.8	84.0	20	11	US-10-719-993-16887
6	16.8	84.0	20	11	US-10-719-993-16988
7	16.8	84.0	256	10	US-09-764-891-9678

C	8	16.8	84.0	325	8	US-08-781-986A-1722	Sequence 1722, Ap
C	9	16.8	84.0	325	18	US-10-329-624-1722	Sequence 1722, Ap
C	10	16.8	84.0	663	13	US-10-027-623-218409	Sequence 218409, Ap
C	11	16.8	84.0	663	17	US-10-027-623-218409	Sequence 218409, Ap
C	12	16.8	84.0	1386	18	US-10-425-114-6765	Sequence 6765, Ap
C	13	16.8	84.0	2591	18	US-10-424-599-53048	Sequence 53048, A
C	14	16.8	84.0	23439	8	US-08-781-986A-38	Sequence 38, Appl
C	15	16.8	84.0	23439	17	US-10-329-624-38	Sequence 38, Appl
C	16	16.8	84.0	70000	17	US-10-210-723-13	Sequence 13, Appl
C	17	16.8	84.0	96599	18	US-10-052-482-178	Sequence 178, Appl
C	18	16.8	84.0	96599	18	US-10-052-482-178	Sequence 178, Appl
C	19	16.8	84.0	357652	19	US-10-322-696-34	Sequence 34, Appl
C	20	16.8	84.0	366803	20	US-10-719-993-6805	Sequence 6805, Ap
C	21	16.8	84.0	786431	16	US-10-412-277-3	Sequence 3, Appl
C	22	16.4	82.0	271	9	US-09-604-287A-50	Sequence 50, Appl
C	23	16.4	82.0	271	9	US-09-834-759-50	Sequence 50, Appl
C	24	16.4	82.0	271	9	US-09-339-338-50	Sequence 50, Appl
C	25	16.4	82.0	271	10	US-09-551-621-50	Sequence 50, Appl
C	26	16.4	82.0	271	13	US-10-007-805-50	Sequence 50, Appl
C	27	16.4	82.0	271	14	US-10-076-623-50	Sequence 50, Appl
C	28	16.4	82.0	271	16	US-10-124-805-50	Sequence 50, Appl
C	29	16.4	82.0	271	17	US-10-441-893-50	Sequence 50, Appl
C	30	16.4	82.0	453	9	US-09-880-107-635	Sequence 635, Appl
C	31	16.4	82.0	453	9	US-09-880-107-635	Sequence 635, Appl
C	32	16.4	82.0	453	9	US-09-567-768A-53	Sequence 500, Appl
C	33	16.4	82.0	453	9	US-09-554-531-500	Sequence 1567, Ap
C	34	16.4	82.0	453	21	US-10-843-641A-1567	Sequence 1567, Ap
C	35	16.4	82.0	552	19	US-10-843-641A-1567	Sequence 1567, Ap
C	36	16.4	82.0	580	9	US-09-998-598-1186	Sequence 1186, Ap
C	37	16.4	82.0	580	9	US-09-998-598-1186	Sequence 1186, Ap
C	38	16.4	82.0	580	9	US-09-736-457-1279	Sequence 1279, Ap
C	39	16.4	82.0	580	9	US-09-902-941-1279	Sequence 1279, Ap
C	40	16.4	82.0	580	9	US-09-849-626-1279	Sequence 1279, Ap
C	41	16.4	82.0	580	14	US-10-017-754-1379	Sequence 1279, Ap
C	42	16.4	82.0	580	16	US-10-113-887-1379	Sequence 1279, Ap
C	43	16.4	82.0	580	17	US-10-283-011-1379	Sequence 1279, Ap
C	44	16.4	82.0	588	13	US-10-174-693-2	Sequence 2, Appl
C	45	16.4	82.0	605	17	US-10-027-632-237280	Sequence 237280, Ap

ALIGNMENTS

US-09-909-317-2

Sequence 1

Publication No. US20040152075A1

GENERAL INFORMATION:

APPLICANT: Betty P. Tsao (Inventor)

APPLICANT: Rita M. Cantor (Inventor)

APPLICANT: Jerome I. Rotter (Inventor)

TITLE OF INVENTION: Genetic Marker Test for Lupus

FILE REFERENCE: 18810-82152

CURRENT APPLICATION NUMBER: US/09/909,317

PRIOR FILING DATE: 2001-07-18

PRIOR APPLICATION NUMBER: 09/280,181

PRIOR FILING DATE: 1999-03-29

NUMBER OF SEQ ID NOS: 7

SOFTWARE: FaSTSeq for Windows Version 4.0

SEQ ID NO 2

LENGTH: 20

TYPE: DNA

ORGANISM: Homo sapiens

US-09-909-317-2

Query Match 100.0%; Score 20; DB 11; Length 20;
Best local Similarity 100.0%; Pred. No. 7.1;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAATTGTGTAATGACTGCA 20
DB 1 AAATTGTGTAATGACTGCA 20

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RESULT 2
US-09-909-317-5/c
; Sequence 5, Application US/09909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Canfor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-5
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Query Match      100.0%; Score 20; DB 11; Length 2085;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 AAATGTGTAATGACTGCA 20
Db      909 AAATGTGTAATGACTGCA 890
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RESULT 3
US-10-774-355A-643/c
; Sequence 643, Application US/10774355A
; Publication No. US2005043513A1
; GENERAL INFORMATION:
; APPLICANT: Firestein, Stuart
; APPLICANT: Zhang, Ximin
; TITLE OF INVENTION: MOUSE OLFACTORY RECEPTOR GENE SUPERFAMILY
; FILE REFERENCE: A34570-PCT-USA-A-070050 2520
; CURRENT APPLICATION NUMBER: US/10/774,355A
; CURRENT FILING DATE: 2004-02-06
; PRIOR APPLICATION NUMBER: PCT/US02/25556
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 60/311,159
; PRIOR FILING DATE: 2001-08-09
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/339,694
; NUMBER OF SEQ ID NOS: 2596
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 643
; LENGTH: 945
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: MOR204-18
US-10-774-355A-643
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Query Match      92.0%; Score 18.4; DB 21; Length 945;
Best Local Similarity 95.0%; Pred. No. 79;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY      1 AAATGTGTAATGACTGCA 20
Db      613 AAATGTGTAATGACTGCA 594
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RESULT 4
US-10-322-281-560/c
; Sequence 560, Application US/10322281
; Publication No. US20040126762A1
; GENERAL INFORMATION:
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```
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001000
; CURRENT APPLICATION NUMBER: US/10/322,281
; CURRENT FILING DATE: 2002-12-17
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 560
; LENGTH: 68732
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(68732)
; OTHER INFORMATION: n = A,T,C or G
US-10-322-281-560
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Query Match      90.0%; Score 18; DB 19; Length 68732;
Best Local Similarity 100.0%; Pred. No. 2,4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      3 ATTGTGTAATGACTGCA 20
Db      13183 ATTGTGTAATGACTGCA 13166
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RESULT 5
US-10-719-993-16987/c
; Sequence 16987, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16987
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-16987
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Query Match      84.0%; Score 16.8; DB 20; Length 201;
Best Local Similarity 90.0%; Pred. No. 3.7e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY      1 AAATGTGTAATGACTGCA 20
Db      179 AAATGTGTAATGACTGCA 160
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```
RESULT 6
US-10-719-993-16988/c
; Sequence 16988, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16988
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-16988
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Query Match 84.0%; Score 16.8; DB 20; Length 201;
Best Local Similarity 90.0%; Pred. No. 3.7e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGTGCTAATGACTGCA 20
|||
Db 149 AAATGTGCTAATGACTGCA 130

RESULT 7

US-09-764-891-9678
; Sequence 9678, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9678
; LENGTH: 256
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-9678

Query Match 84.0%; Score 16.8; DB 10; Length 256;
Best Local Similarity 90.0%; Pred. No. 3.8e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGTGCTAATGACTGCA 20
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Db 86 AAATGTGCTAATGACTGCA 105

RESULT 8

US-08-781-986A-1722/C
; Sequence 1722, Application US/08781986A
; Publication No. US20030054436A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248BP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 1722:

SEQUENCE CHARACTERISTICS:
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-781-986A-1722

Query Match 84.0%; Score 16.8; DB 8; Length 325;
Best Local Similarity 90.0%; Pred. No. 4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGTGCTAATGACTGCA 20
|||
Db 57 AACGTGCTAATGACTGCA 38

RESULT 9

US-10-329-624-1722/C
; Sequence 1722, Application US/10329624
; Publication No. US20040043037A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/329,624
; FILING DATE: 27-Dec-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/956,171
; FILING DATE: October 20, 1997
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark U. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-10-329-624-1722

Query Match 84.0%; Score 16.8; DB 18; Length 325;
Best Local Similarity 90.0%; Pred. No. 4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGTGCTAATGACTGCA 20
|||

Db 57 AACGTGTGTAATGACTGCA 38

RESULT 10
US-10-027-632-218409/C

Sequence 218409, Application US/10027632
Publication No. US20020198371A1

GENERAL INFORMATION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome

FILE REFERENCE: 108827.129

CURRENT APPLICATION NUMBER: US/10/027,632

CURRENT FILING DATE: 2002-04-30

PRIOR APPLICATION NUMBER: US 60/218,006

PRIOR FILING DATE: 2000-07-12

PRIOR APPLICATION NUMBER: US 60/198,676

PRIOR FILING DATE: 2000-04-20

PRIOR APPLICATION NUMBER: US 60/193,483

PRIOR FILING DATE: 2000-03-29

PRIOR APPLICATION NUMBER: US 60/185,218

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: US 60/167,363

PRIOR FILING DATE: 1999-11-23

PRIOR APPLICATION NUMBER: US 60/156,358

PRIOR FILING DATE: 1999-09-28

PRIOR APPLICATION NUMBER: US 60/146,002

PRIOR FILING DATE: 1999-08-09

NUMBER OF SEQ ID NOS: 325720

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 218409

LENGTH: 663

TYPE: DNA

ORGANISM: Human

US-10-027-632-218409

Query Match 84.0%; Score 16.8; DB 13; Length 663;
Best Local Similarity 90.0%; Pred. No. 4.5e+02;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGTGTAATGACTGCA 20
Db 193 AAATGTGTAATGACTGTA 174

RESULT 11
US-10-027-632-218409/C

Sequence 218409, Application US/10027632
Publication No. US20030204075A9

GENERAL INFORMATION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome

FILE REFERENCE: 108827.129

CURRENT APPLICATION NUMBER: US/10/027,632

CURRENT FILING DATE: 2002-04-30

PRIOR APPLICATION NUMBER: US 60/218,006

PRIOR FILING DATE: 2000-07-12

PRIOR APPLICATION NUMBER: US 60/198,676

PRIOR FILING DATE: 2000-04-20

PRIOR APPLICATION NUMBER: US 60/193,483

PRIOR FILING DATE: 2000-03-29

PRIOR APPLICATION NUMBER: US 60/185,218

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: US 60/167,363

PRIOR FILING DATE: 1999-11-23

PRIOR APPLICATION NUMBER: US 60/156,358

PRIOR FILING DATE: 1999-09-28

PRIOR APPLICATION NUMBER: US 60/146,002

PRIOR FILING DATE: 1999-08-09

NUMBER OF SEQ ID NOS: 325720

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 218409

LENGTH: 663
TYPE: DNA
ORGANISM: Human
US-10-027-632-218409

Query Match 84.0%; Score 16.8; DB 17; Length 663;
Best Local Similarity 90.0%; Pred. No. 4.5e+02;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGTGTAATGACTGCA 20
Db 193 AAATGTGTAATGACTGTA 174

RESULT 12
US-10-425-114-6765

Sequence 6765, Application US/10425114
Publication No. US20040034888A1

GENERAL INFORMATION:

APPLICANT: Liu, Jingdong

APPLICANT: Zhou, Yihua

APPLICANT: Kovalic, David K.

APPLICANT: Screen, Steven E

APPLICANT: Tabaska, Jack E

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(53313)B

CURRENT APPLICATION NUMBER: US/10/425,114

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 73128

SEQ ID NO 6765

LENGTH: 1386

TYPE: DNA

ORGANISM: Glycine max

OTHER INFORMATION: Clone ID: 700605169_FLI

US-10-425-114-6765

Query Match 84.0%; Score 16.8; DB 18; Length 1386;
Best Local Similarity 90.0%; Pred. No. 5e+02;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGTGTAATGACTGCA 20
Db 1254 AAATGTGTAATGACTGCA 1273

RESULT 13
US-10-424-599-53048

Sequence 53048, Application US/10424599
Publication No. US20040031072A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J

APPLICANT: Kovalic, David K

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
Plants and Uses Thereof for Plant Improvement

FILE REFERENCE: 38-21(53223)B

CURRENT APPLICATION NUMBER: US/10/424,599

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 285684

SEQ ID NO 53048

LENGTH: 2591

TYPE: DNA

ORGANISM: Glycine max

OTHER INFORMATION: Clone ID: PAT_MRT3847_18914C.1

US-10-424-599-53048

Query Match 84.0%; Score 16.8; DB 18; Length 2591;
Best Local Similarity 90.0%; Pred. No. 5.5e+02;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTAAATGACTGCA 20
|||
Db 2288 AAATTGGTAAATGACTGCA 2307

RESULT 14
US-08-781-986A-38
; Sequence 38, Application US/08781986A
; Publication No. US20030054436A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23439 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-781-986A-38

Query Match 84.0%; Score 16.8; DB 8; Length 23439;
Best Local Similarity 90.0%; Pred. No. 7.8e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTAAATGACTGCA 20
|||
Db 22929 AACGTGGTAAATGACTGCA 22948

RESULT 15
US-10-329-624-38
; Sequence 38, Application US/10329624
; Publication No. US20040043037A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/329,624
; FILING DATE: 27-Dec-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/956,171
; FILING DATE: October 20, 1997
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248PDI1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23439 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-10-329-624-38

Query Match 84.0%; Score 16.8; DB 18; Length 23439;
Best Local Similarity 90.0%; Pred. No. 7.8e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATTGGTAAATGACTGCA 20
|||
Db 22929 AACGTGGTAAATGACTGCA 22948

Search completed: September 2, 2005, 03:53:50
Job time : 26.1157 secs

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;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FASTSEQ for Windows Version 4.0
;; SEQ ID NO: 12360
;; LENGTH: 105679
;; TYPE: DNA
;; ORGANISM: Human
US-09-949-016-12360

Query Match 10.9%; Score 228; DB 4; Length 105679;
Best Local Similarity 60.6%; Pred. No. 7.2e-44;
Matches 452; Conservative 0; Mismatches 275; Indels 19; Gaps 4;

QY 103 TTAATCTGTTTACCTTCAAAATATCTTTTTTTTTTTTTTTTGAAGAGGCTCAACTGTC 162
DB 46175 TTGTATATTAATTAATCTTTTAATGAGTGTGTTTGTGTTTGAAGACAGCTGTTCTGTC 46234
QY 163 ACCCAGGCTAGAGTCCAGTGGCACTATCATGCTCACACAGCCTCAACCTTGAGGGCTC 222
DB 46235 ACCCAGGCTAGAGTGGAGTGGCTTCATCTCAGCTCACTAACACCTCCGCTCTGGGTTTC 46294
QY 223 AGGTGATCTCCCACTTCAAGCTTCCGAGTATGAGTGGAGTACAGGCACTGCAACCAACC 282
DB 46295 AAGTGATCTCTCCGCTCAGCTCCGAGTATGAGTGGAGTACAGGCACTGCAACCAACC 46354
QY 283 CCAGCTAATTTT-----GTAGAGACAAGTTTGGCATGTTGTCAGGCTGGTCT 333
DB 46355 CAGGCTAATTTTGTATTTTGTGAGAGTGGGTTTCAACATGTTGGCAAGTGGTCT 46414
QY 334 TGAATCTCTGGGCTCAAGGATCCGGCACTCAAGCTCCCAAGTCTAGATTATAG 393
DB 46415 CGATCTCTCACTCAAGTATCCGCCCACTCGGCTCTTAATAGTGGATTATAG 46474
QY 394 CATGAGCACTGTGCCAGCTTACCTTCAACGATCTAATCTGTTACTTAATTTAGAT 453
DB 46475 CATGACCACTGCGCCAGCTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 46534
QY 454 TCGGCTATGTCTCAACCTTCTGTGTTACTCAACATCTTGTCTTTAAGCACTAGC 513
DB 46535 TTTTAACAATTAATTAACAATCTGTGATGTGTCACTTTAACCCTTAACCAATCTTCC 46594
QY 514 TTCTTCTCTATGTTTAACTTTTAA-----TGAGTTTATTCATCTGTTATTTTCTT 568
DB 46595 TTCTTAAATATATGACCAATTTTATCACTGATTTAATATCATCCCAAAATGTTTG 46654
QY 569 ATCTCTATACCAAGATTGAATTTTCAAAATTAAGCACTCATGTTCAATCTTTGAA 628
DB 46655 CATTTCTGTTAATTAATTAATCTTCTCTTAATGATTTCAATTAATGCAATCATATA 46714
QY 629 ATGAAA-----AAAAAATGATAGATTAAGAAAGAAACCAATTTTAATTAATTTT 685
DB 46715 TGTATATTAATTAACAAAAGTGCACAAATATGTCTGTAATACAGTGTGAAATTAAGCA 46774
QY 686 TGAAGTATGTTCTATATTAATTAACAACAATCTAGGCTAGGCTAGTCTAGTCTGT 745
DB 46775 TAAATGAAATCTTATAGTATTAATTAATTAATTTGTCGCGCGGCGGCTCAGCTGT 46834
QY 746 AATCCAGCAATTTGGAGTCCAGAGTGGAGAGATTTGCTTGAAGCCAGGGGTTCAAGAC 805
DB 46835 AATTCAGCACTTTGGAGTCCAGAGTGGAGAGAT--CATGAGTCAAGAGTTCAAGACC 46892
QY 806 AGCTGGGCAACATGAGAGATTCCC 831
DB 46893 AGCTGACCAACATGAGAAACCCC 46918

RESULT 4
US-09-949-016-16409
; Sequence 16409, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

;; APPLICANT: VENTER, J. Craig et al.
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FASTSEQ for Windows Version 4.0
;; SEQ ID NO: 16409
;; LENGTH: 107679
;; TYPE: DNA
;; ORGANISM: Human
US-09-949-016-16409

Query Match 10.9%; Score 228; DB 4; Length 107679;
Best Local Similarity 60.6%; Pred. No. 7.2e-44;
Matches 452; Conservative 0; Mismatches 275; Indels 19; Gaps 4;

QY 103 TTAATCTGTTTACCTTCAAAATATCTTTTTTTTTTTTTTTTGAAGAGGCTCAACTGTC 162
DB 96175 TTGTATATTAATTAATCTTTTAATGAGTGTGTTTGTGTTTGAAGACAGCTGTTCTGTC 96234
QY 163 ACCCAGGCTAGAGTCCAGTGGCACTATCATGCTCACACAGCCTCAACCTTGAGGGCTC 222
DB 96235 ACCCAGGCTAGAGTGGAGTGGCTTCATCTCAGCTCACTAACACCTCCGCTCTGGGTTTC 96294
QY 223 AGGTGATCTCCCACTTCAAGCTTCCGAGTATGAGTGGAGTACAGGCACTGCAACCAACC 282
DB 96295 AAGTGATCTCTCCGCTCAGCTCCGAGTATGAGTGGAGTACAGGCACTGCAACCAACC 96354
QY 283 CCAGCTAATTTT-----GTAGAGACAAGTTTGGCATGTTGTCAGGCTGGTCT 333
DB 96355 CAGGCTAATTTTGTATTTTGTGAGAGTGGGTTTCAACATGTTGGCAAGTGGTCT 96414
QY 334 TGAATCTCTGGGCTCAAGGATCCGGCACTTCAAGCTCCCAAGTCTAGATTATAG 393
DB 96415 CGATCTCTCACTCAAGTATCCGCCCACTCGGCTCTTAATAGTGGATTATAG 96474
QY 394 CATGAGCACTGTGCCAGCTTACCTTCAACGATCTAATCTGTTACTTAATTTAGAT 453
DB 96475 CATGACCACTGCGCCAGCTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 96534
QY 454 TCGGCTATGTCTCAACCTTCTGTGTTACTCAACATCTGTCTTTAAGCACTAGC 513
DB 96535 TTTTAACAATTAATTAACAATCTGTGATGTGTCACTTTAACCCTTAACCAATCTTCC 96594
QY 514 TTCTTCTCTATGTTTAACTTTTAA-----TGAGTTTATTCATCTGTTATTTTCTT 568
DB 96595 TTCTTAAATATATGACCAATTTTATCACTGATTTAAATCAATCCCAAAATGTTTG 96654
QY 569 ATCTCTATACCAAGATTGAATTTTCAAAATTAAGCACTCATGTTCAATCTTTGAA 628
DB 96655 CATTTCTGTTAATTAATTAATCTTCTCTTAATGATTTCAATTAATTAATTAATTA 96714
QY 629 ATGAAA-----AAAAAATGATAGATTAAGAAAGAAACCAATTTTAATTAATTTT 685
DB 96715 TGTATATTAATTAACAAAAGTGCACAAATATGTCTGTAATACAGCTGTGAAATTAAGCA 96774
QY 686 TGAAGTATGTTCTATATTAATTAACAACAATCTAGGCTAGGCTAGTCTAGTCTGT 745
DB 96775 TAAATGAAATCTTATAGTATTAATTAATTAATTTGTCGCGCGGCGGCTCAGCTGT 96834
QY 746 AATCCAGCAATTTGGAGTCCAGAGTGGAGAGATTTGTTGAAGCCAGGGGTTCAAGACC 805
DB 96835 AATTCAGCACTTTGGAGTCCAGAGTGGAGAGAT--CATGAGTCAAGAGTTCAAGACC 96892
QY 806 AGCTGGGCAACATGAGAGATTCCC 831

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Db      96893 AGCCTGACCAATCGTGAAGCCCC 96918
|||||
|||
RESULT 5
US-09-792-616-1
; Sequence 1, Application US/09792616
; Patent No. 6780587
; GENERAL INFORMATION:
; APPLICANT: PxE International, Inc.
; TITLE OF INVENTION: Mutations in a gene encoding an ABC transporter (MRP6) causing
; FILE OF INVENTION: Pseudoxanthoma Elasticum
; CURRENT FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 1
; LENGTH: 107820
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: "n" can be an A or a T or a G or a C
US-09-792-616-1

Query Match          10.9%; Score 227.2; DB 4; Length 107820;
Best Local Similarity 60.1%; Pred. No. 1,le-43;
Matches 440; Conservative 0; Mismatches 273; Indels 19; Gaps 3;

Qy      124 TATCTTTTTTTTTTTTTTTTTTGAGACAGGGTCACACTGTGCACCAGGCTAGAGTCCAGTGG 183
Db      74659 TTTTTTTTTTTTTTTTTTTTTAAGAAGTCTCATCTGTGCTCCAGGCTGACGTGACGTGA 74718

Qy      184 CACTATCATGGCTCACCAACAGCCTCAACCTTCAGGGCTCAGGTATCTCCACTTGAC 243
Db      74719 TGTGATCTCACTCATCGCAACTCTCACCTCCCGGTTCAAGTAATTCCTGCTCAGC 74778

Qy      244 CTCCTGAGTAGATGGGAACTACAGGACCTGTCACACCCCCCAGCTAAATTTT----- 295
Db      74779 CTCTCTAGTACTGGGAAATTACAGGACAATGCAACATGCCCGGCTAATTTTATAATTTTC 74838

Qy      296 -GTAGAGCAAGGTTTTCATGTGTTCAGGCTGTGTTGAATCCTGGGCTCAAGGA 354
Db      74839 AGTAGAGCAAGGTTTTCATGTGTTCAGGCTGTGTTGAATCCTGACCTCAAGTGT 74898

Qy      355 TCCGGGCAACCTCAGGCTCCCAAAGTGTAGGATTAATAGGCAATGAGCCAATGTGCCAGGC 414
Db      74899 TCTGCGGCTTTCACCTCCCAAAGTGTGGGAATTAAGGCGTAGAGCCAACGTGCCCGCC 74958

Qy      415 TACCTTCAACCTATCT-----AACTGTGTTAACTTTTAGATTGGGCTATGCTCAC 469
Db      74959 TGTGTCTACTGATTTTTAGAACAGTGGGGTCAACCTGATCAATTTGCCGATTTTCC 75018

Qy      470 AACCTTCTGTTACTCAACATCCTGTCTTTAAGCCACTAGCTTCTTCTATAGTTTA 529
Db      75019 CACGCTTCTCTCTCTCCCTCTTCTTCTCTAATGATGACATTTATGACTGCACATGA 75078

Qy      530 ACACCTTTTATGAGTTTATTCATCTGTTATTTTCTTATCTCTATACGAATTTGAA 589
Db      75079 AGCCCTGCTGAGTGCCTTATGTTGTAATGCTAAGCAACCTGCTATTTGTTGMAAGCC 75138

Qy      590 TATTTTCAATTAAGACACATCATGTTCATATTTTG-----AATGGAATAAAAAAATG 644
Db      75139 CTGGAATTAACAAGTGAAGACATGGAATAATGTTCCGCCCCTAGCCCTAGAAAACAT 75198

Qy      645 CATAGAGTTAGAAAAAGAAACCAATTTTATATAACTATATTTTGAAGTATAGTTCTATAT 704
Db      75199 CATATGATGATGACATTCGATGTTTTTTTTTTTGGAAATTTGACAAATTAACATAAATGCGAT 75258

Qy      705 AAACCAACAGTCTTAGGCGAGGTGCAGTGGCTCATGCTGTAAATCCACGAATTTGGGA 764
|||||

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Db      752529 TAAAGGTTTTTAAAGGCGAGGACAGTGGGCTCATGGCCCGTATATCCACAGACTTTGGAG 75318
Qy      765  GTGAGAGTGGGAGAGATTCTTGAGGCCGAGGGGTCTTAAGACCGAGCTGGGCAACATGTGAGA 824
Db      75319  GCTGAGTGGGCGAGATCACTGAGGTCAAGAGTTGAGGACGAGCCAGCCAATCATGTGA 75378
Qy      825  GATTCCCATCT  936
Db      75379  AACCAGTTTCT  75390

RESULT 6
US-09-949-016-13627/c
; Sequence 13627, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;   TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CLO01307
;   CURRENT FILING DATE: US/09/949,016
;   PRIOR FILING DATE: 2000-04-14
;   PRIOR APPLICATION NUMBER: 60/241,755
;   PRIOR FILING DATE: 2000-10-20
;   PRIOR APPLICATION NUMBER: 60/237,768
;   PRIOR FILING DATE: 2000-10-03
;   PRIOR APPLICATION NUMBER: 60/231,498
;   PRIOR FILING DATE: 2000-09-08
;   NUMBER OF SEQ ID NOS: 207012
;   SOFTWARE: FASTSEQ for Windows Version 4.0
;   SEQ ID NO 13627
;   LENGTH: 36311
;   TYPE: DNA
;   ORGANISM: Human
;   FEATURE:
;   NAME/KEY: misc feature
;   LOCATION: (1)..(36311)
;   OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13627

10.7%: Score 224; DB 4; Length 36311;
Best Local Similarity 54.8%; Pred. No. 4e-43;
Matches 816; Conservative 0; Mismatches 550; Indels 122; Gaps 14;

Qy      85  TTCATCATATTTTCCACTTATTCGTGTTACCTTCAAAATATCTTTTTTTTTTTTGG 144
Db      9560  TTCAGGTTCTTTTATATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTAG 9501
Qy      145  AGACAGGGTCACTGTGTACCCAGGCTAGAGTCCAGTGGACATATCATGTGCTCACACAG 204
Db      9500  ACAGGGTCTACTCGTCAACCAGCTGAGTGGACAGTGGCAAAATCAAGCTCACACAG 9441
Qy      205  CCTCAACCTTAGGGCTCAGGTGATCTCCCACTTCAGGCTCCGAGTGTAGTGGAGTAC 264
Db      9440  CCTGGCCACTCGGGCTAGGTGATCTTCCACTTCAGGCTCTTGATGTAAGTAATAC 9381
Qy      265  AGGCACTGACCAACCCCCAGCTAA-----TTTTGTAGAGACAAGGTTTTGCA 315
Db      9380  AGGGGCCACACACACACATTTGGCTATTTTTTGTATTTTTTTGTAGAGACAGATTTTGGCA 9321
Qy      316  TGTGTTCAGGCTGTGTTGAATCTCTGGGCTCAAGGATCCGGCACCCTCAGCCTCCA 375
Db      9320  TGTGGCCAGGCTGTGTTGAATCTCTGGGCTCAAGCAATCCACTGCTCAGCCTCCA 9261
Qy      376  AAGTGCTAGATTATAGGATGAGCACTGTGSCCAGCTCACTTCAAGTATCTAATG 435
Db      9260  AAGTGCTAGATTATCAACGCTGAGCACTGGGCGCGCCCATTTTCCAAAGTTCTGGCT 9201
Qy      436  GTTACTAATTGAGTGTGGGCTATGCTACAAC-----TTCTGTTTACTCA 487
Db      9200  ATATTACTCAACCTCTTCCCTTATTTCCCAAGCCCAAGAAATGTACTGTTCTCC 9141
Qy      488  ACATCTTGTCTTAAAGCACTAGCTTCTCTATAGTTACA----- 532

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Db	9140	ACTTACTATTTTCTGTACTTCTGTGTTCTCTTTTCCCTTTTCATACTCCAAATAACT	9081
Qy	533	-----CTTTTATGAGTTTATTCATCTGCTATTTTTCATTCCTTATA	578
Db	9080	GTTTAGTAAATTTCTTAATATCAAAATTTCAACTAGTGTGTTTCTGTTCTGCTAGAT	9021
Qy	579	CCAGAAATGAAATTTTCAAT-----AAAGCACCTCATGTTCACATCT	623
Db	9020	CTGACTTAACGGTTCTTAAATGTAAATTCCTCACTTGGAGAAAATTCATCAAGTTCT	8961
Qy	624	TTGAAATGAAAAAAAATATGCAATGAGTATGAAAAAAGAACCAATTTTATTAATATAT	683
Db	8960	TAAGGAATGGCTGATTATGTGTCTTGGACAAAAATATATCAAAAGCTGAGACATCTTGT	8901
Qy	684	TTT-----GAAATATAGTTCTATATTAAACAACAA-GATCTAGGCCAGGTGACGTGCTCA	738
Db	8900	TGTACCAAAATCAAGAAAGCATCAAAAATCAATGGGTCAATGCCAGGCACGGTAGCTCA	8841
Qy	739	TGCTCTTAATCCCAACCAATTTGGGAAGTTCAGAGTGGAGAGATGTGTTAGAGCCAGGGTT	798
Db	8840	CGCCTGTATCCCAAGCACTTGGAGGGGAGAGGCGGAGATAGCTTAAGCCCAAGAGTT	8781
Qy	799	CAAGACCAAGCTGGGCAATGAGAGAGATCCCATCTCTTCTTCAACAACAACAAC	858
Db	8780	TGAGACCTCCCTGGGGAATACGTAG-----AACCCTGTTCTCAAAAAAGAAAG	8728
Qy	859	ACACACACAAAAATATCTGATAGCAACAGGTGACATTAACAACAATTTGAGATAG	918
Db	8727	AAAAAAAATCAATATGATTAATGTCCAAGGAATCAGAAAGCAAGAAAAAGGACCTCCA	8668
Qy	919	ATGAGCTTAATATATTTTCAGATTATCAACAACAACGTAAACTATGAAAGCTGTG	978
Db	8667	TTGA-----CATTAATATGGTATCATTTTAAGCATCAAAAAGAAATGACTGTATCTGTGCTA	8612
Qy	979	TGATGACTATTATGCCACA-AAAGTCACAGTACTGCTAATATCTCTGATTTTGTATTA	1037
Db	8611	AGGTTTCCAGTACAGATGCAAGAAAAAAGTGTCTTATGCTTTCCGTCTGTCTGATTGT	8553
Qy	1038	TTCAATATTAAGAAATAGTCAAGTTTCAGTTGATTAATTTTGTCCGACGGTCTGTGACGG	1097
Db	8551	GGCAGCTGAGATTAATTAAGAAATACAG-----GG	8521
Qy	1098	CAGGTTAAGAACGCCCTGCCAAGCCAGAGGGGTGACCTAGCATCTGACAGGTTCACTCGG	1157
Db	8520	AAACTGGAATTAACCTTGA AAAACAGTGAAGAGCCTGTTTACTTCAGAAATCTAATCTTTT	8461
Qy	1158	GCCATCAATATATATTCGCCAGAGCGGGGCGCTGCGCTTCCGGAACCCAGCTGCCCTCAG	1217
Db	8460	GAGTCGCGAGAGAGATTCTGGAAAATAGCCCTTACCACTTACTCTGTTGATTAACACT	8401
Qy	1218	GGAGAGAGACACACTTAAGAATTTGGGGCGGCGGTGATGCTCATGCCCCCTGATCCAG	1277
Db	8400	TGCAAAAGCTTAAGGT-----GGCAGGCAACAATGGGTATATGCTGTAAATCCAG	8356
Qy	1278	CAC TTCGGAGAGCTGAGGCTGTAGAGATCACTTTTATGACGAGATTGAGACCACTTACCC	1337
Db	8349	AAC TGTGGAGAGCTGAGGCAAGTGTATACAAG-CTCAGGAGATCTGAACCATCTCTGCT	8291
Qy	1338	AAC TGTGGAGAGCCCTGTCCCTTA AAAAAATTTTATTTTATTAATGACGAG-----TTGGGT	1393
Db	8280	AACATGTGTA AACCCTATCTTACTTA AAAAAATTA AAAAAATTAATTAACAGGCTGTGCTGC	8231
Qy	1394	GAGCGCTGTATGCTCCACACTACTCGGAGAGGCTGAGTGGAGAGATCGC-TGGGCTCAGGA	1452
Db	8230	GAGCGCTGTGTGCTCCACACTACTCAGAGGGCTGAAGGTGGAGAAATGGCATGAACCCGGGA	8171
Qy	1453	GTTCCAGACTGCACTGAGGCATGATGGGGGCACTGCACTCCAGCGCGG	1500
Db	8170	GCGCGAGCTTGCATGAGCCGAGATTTTGGCACTGCACTCCAGCGCTGG	8123

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US-09-949-016-15714
; Sequence 15714, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 15714
; LENGTH: 38343
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(38343)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15714

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Query Match	10.7%	Score 223.8	DB 4	Length 38343
Best Local Similarity	49.5%	Pred. No. 4.6e-43		
Matches 361	Conservative 0	Mismatches 357	Indels 12	Gaps 4
QY 117	TTCAAAATATCTTTTTTTTTTTTTTTTTTTTGGACAGAGGTACACTGTCCACCGAGCTAGAGT	176		
Db 15541	TTGTAATCTTTTTTTTTTTTTTTTTTTTGGACAGACTCTCACTTGTCCGCCACTGTGAGGT	15601		
QY 177	CCAGTGGCACTATCATATGGCTCACACAGGCTCAACTTCAAGGCTCAGGTGATCTCTCCA	236		
Db 15601	GCAATGGCACATCTCAGCTCAGCTCAGCACTCTGCTCCGGGTTCAAGCAATCTCTCTG	15666		
QY 237	CTTCAGGCTCCCGAGTATGGAGCTACAGGCACTGTCCACACCCCGAGCTAATTTTTTG	296		
Db 15661	CTCAGGCTCTCCGGGTAGCTGAGCTACAGCACCCACACCAAGCTATGTAATTTTTTG	15722		
QY 297	TA-----GAGCAGAGTTTGGCAATGTTGTCCAGGCTGTGTTGAATCTCTGGGCTC	348		
Db 15721	TATTTTATGTAAGAACAGGGTTTCACTATGTTGGCAGAGCTGGCTTGAACTCTCGAAGCTC	15788		
QY 349	AAGGGATCCGGGCACCTCAGGCTCCCAAGTGCAGGATTAATAGCATGAGCCACTGTGC	408		
Db 15781	A--TGATTCACCGGCTCTCAGCTCCCAAGTGCAGGATTAATAGCATGAGCCACTGTGC	15833		
QY 409	CCAG-CTTACCTTCAACGTAATCTAAGTGTATCTTAATCTTAACTTTCAGGCTTATGTCTC	467		
Db 15839	CCGGCCTTATGTAATCTTTTTTTTTTTTTTTTTTTTTGAACGGAGTCTGTCTGTGCG	15889		
QY 468	ACAACTTCTTGTCTTA-CTCAACATCTTGTCTCTTAAAGCACTAGCTTCTTCTCTATGG	526		
Db 15899	CCAGGCTGGCGGCATCTCACTCACTGCAAGCTCCGCTCCNNNNNNNNNNNNNNNNNN	15955		
QY 527	TTAAACCTTTTATGATTTTATTAATCATCTGCTTAATTTTCTTAATCTCTATACAGATT	586		
Db 15959	NN	16011		
QY 587	GAATATTTTCAATTAAGA-CACTCATGTTAACAATCTTTGAATGAAAAAAAATATGA	646		
Db 16019	NN	16077		
QY 647	TAGAGTTAGAAAAGAAACAATTTTAATACTATATTTGAAGTATAGTTCTATATTA	706		
Db 16079	NN	16133		
QY 707	ACAACAAGATCTAGCGCAGGTGAGTGGCTCATGCTGTATATCCACGAATTTGGGAAT	766		

RESULT 9
US-09-949-016-15919
; Sequence 15919, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTUR, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ. ID NOS: 207012
; SOFTWARE: PatSeq for Windows Version 4.0
; SEQ ID NO 15919
; LENGTH: 40655
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15919

Query Match 10.7%; Score 222.4; DB 4; Length 40655;
Best Local Similarity 52.8%; Pred. No. 1e-42;
Matches 815; Conservative 0; Mismatches 641; Indels 88; Gaps 12;

QY 90 TCATATTTTCACCTATTCCTGTTTACCTCAAAATATCTTTTCTTTTGTGAGACA 149
DB 16023 TCAGTGTGAGCTGTCTTTTTCAGATATCTTTTGAATCTTCTTTTGTGAGACGA 16082
QY 150 GGGTCACATGTGACCCAGGCTAGTCCAGTGGCACTATCATGGCTCACACAGCTCA 209
DB 16083 GTCTTACTCTGTACCCAGGCTGAGTGCAGTGGCTCAATCTGGGTCTGACGCTCC 16142
QY 210 ACCTTGAGGGCTAGGTGATCTCCACTTCAAGCTCCGAGTATGAGTACGACGCA 269
DB 16143 ACTTCCAGGCTCAGAGAAATCTCTGCTCAGGCTCCGAGTATGAGTATGAGTTG 16202
QY 270 CCTGCCACACCCCGACGTAATTTT-----GTAGAGACAG 306
DB 16203 CCCACACATATGCTGCTGCTAATTTTCTTTTGTATTTTGTATAGTATGAGTCGGG 16262
QY 307 GTTTTGCATGTGTCCAGGCTGTCTTGAATCTCCGGGCTCAAGGATCCGGCACCTC 366
DB 16263 TTTTCCACATGTGTGTCACGCTGCTCGAATCTGACCTCAGTATACCTACCTT 16322
QY 367 AGCCTCCAAAGTGTAGATTAATAGCATGACCACTGCGCAGCTCTTCAACGT 426
DB 16323 GGGCTCCAAAGTGTGATTAAGGCAATGACGACCGTCCGGCTTA-----GAACT 16378
QY 427 ATCTAACTGTATCTAACTTTTGAATGTGGCTTATGTCTACAACTTCTTCTTATCTC 486
DB 16379 TTTTATATCAAAACATATATATGTACGAAA-----CACACTTTTGAATAAAAG 16432
QY 487 AATATCTTGTCTTAAAGCAGTGTCTTCTATGTGTAACTTTTATGAGTTT 546
DB 16433 AGAATCCAGCATCTTAATCACTGATGATGATCTTGTATTTCTTGTGCTTCCCTC 16492
QY 547 TATTCATCTGCTATTTTCTTATCTCTATACCAAGATGAAATTTTCAATAAAGCA 606
DB 16493 TGAGCATGTGTACTTTTACTTAACCTT-----TGAATATATACAGTTACGCA 16541
QY 607 CACTCATGTATCAATCTTTGAAAATGAAAAAATGATAGATTTGAAAAAAGCA 666
DB 16542 TATATCAGTCTAGCTCTCTCTTTTAACTTAATAGATAGAT----- 16586
QY 667 ATTTTATAAAGTATATTTTGAAGTATGTTCTATATATAAACAAGATCTAGGCCAG 726
DB 16587 ATTTTCCCTGTGATCCGAGTGTCTTGTGATCATTTTAAACAATATCTAGGCCAAG 16646

QY 727 TGCATGTGCTCATGCTGTATATCCAGCAATTTGGGAATGTCGAGATTTGCTTG 786
DB 16647 TACATGTGCTCACCACTGTATATCCAACTTTGGAGGCCGAGGAGGATCACTTG 16706
QY 787 AGGCCAGGGGTTCAAGCCAGCTGGGCAACATGAGAGATTTCCCATCTCTTCTTAC 846
DB 16707 AGGTCAAGATTGACACAGCCTGCGCAATGCGAACCCTATCTTAC-----TAA 16761
QY 847 ACACACACACACACACACACAAATATCTGATACCAAGGTGACATATTACACA 906
DB 16762 AATATCAAAAATTTACTGTGGCATGTGTGGCTGGCTGTAAATCCAGCTACTGGGAGG 16821
QY 907 TTTTCAATGTATGATGCTTTATATATTTTCG---AGTTATCAACAACATCTTAACT 962
DB 16822 CTGAGGACAGAGAAATGCTTGAACCCAGAGGACAGAGTACGTAGGCCAAGATCAC 16881
QY 963 AACATGAAAAAGCTGTGATGATATTTG-----CCCAAAAGTACAGGTATCTGCTAA 1015
DB 16882 CACTGTATCTCCAGCTGGGTGACAGACAAATCTCAATTTCAACAAATACAAACAA 16941
QY 1016 TACTCTGTGATTTGTATGATTAATTCATTAATTAAGAAATGCTAGTTTCAAGTTGATTT 1075
DB 16942 AACATATAAATAATCTAATATCTCTTGAATTAAGATTTATGATTTATGTTCAAGTTG 17001
QY 1076 TGTCCGACGGTGTGTGACGCGAGGTGAAACGCCCTCCAAAGCCAGAGGCTGACCT 1135
DB 17002 TGTTCATATATGATAAATAAATATATGATGATCTCAAGTTCCCAATTTGATTTAGT 17061
QY 1136 AGCATGACAGGGTCCACCTCGGGCCAAATCAATATTTCCAGAGGGGGGCTCGGCTT 1195
DB 17062 TTTTATTTCAATGATGATCTAATATTTTACAAATATTTGAATTTTGAACATTTTAA 17121
QY 1196 CCCGACCCAGCTGCCCT--CAGGGAGAGAGGACACACTTAAGTTTGGGCCCGGCT 1253
DB 17122 GCAAGATATTTAATATTTTCAAGTTAAATTTAAGTTTAAAGCTCAGGCTAGGCCG 17181
QY 1254 GGTAGCTCATGCCCTGATCCAGCACTTGGAGGCTGAGGCTGAGATCATCTGTAG 1313
DB 17182 AGTGCTCATGCTGTATATCCATCACTTTGGAGGCTCAAGGACGAGATGCTGAGAC 17241
QY 1314 -CAGAGTTGAGACCAAGTCTAGCCAACTTGGCGAGAACCTGTCTTAAATAAATTTT 1372
DB 17242 CAGGAGTTCAAGACAGGCTTGGCAAAATTAAGACCTGTATCTACAAATAAATCAA 17301
QY 1373 TTTTATTTAGCAAGTTGTGTAGGCTGTGATCCAGCTACTCGGAGGCTGAGGTG 1432
DB 17302 AATTTGCTGACAGTGTGTGATGTGCTGTGTGCTTCAAGAGCTGAGGCGAG 17361
QY 1433 GAGGATGCG-TGGGCTCAGAGATTTCCAGCTGAGTGAACCATGATGGCGCATCTGACT 1491
DB 17362 GAGGATTTGCTGAGCCCAAGAGATTGAGACTGAGTAAACCAAGTTGACCATTTGCACT 17421
QY 1492 CCAAGCGG-----GTGAGCTGATGCTCAAAATTAAGGGGAGGGGTGGGGGT 1542
DB 17422 TCAGCTGTGGTGCACAGATGAGACCCGCTCTTAAATAAATGATATATGATAAAGCA 17481
QY 1543 AAAATTAATGTTGAATCAAGTATGAGCTTCTGGGACAGAACAA 1586
DB 17482 AAAATTAATTAATTAATTAATTAATTAAGCTTCAAGACAGAGAGAA 17525

RESULT 10
US-09-949-016-14577
; Sequence 14577, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTUR, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755

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; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14577
; LENGTH: 678533
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(678533)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14577
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Query Match      10.5%; Score 219.8; DB 4; Length 678533;
Best Local Similarity 50.9%; Pred. No. 1,5e-41;
Matches 716; Conservative 0; Mismatches 662; Indels 29; Gaps 7;
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QY 116 CTTCAAAATATCTTTTGTGAGACAGGGTCACTGTACCCAGCTAGAG 175
DB 405139 CCTTCAATCTCTTTTGTGAGATGAGATCTCTGTGCTGAGGCTGAG 405198
QY 176 TCCAGTGGCACTATGCTCAACAAGCTTCAAGGCTCAAGGTATCTCC 235
DB 405199 TGGAGTGTGTATCTTCACTCACTGTAACCTCCGCTCCAGGTTCAAGCATCTCT 405258
QY 236 ACTTCAAGCTCCGAGTATGAGGACTCAAGGCACTGCAACCCCAAGCTATTTT 295
DB 405259 GCGTCAGCTCCGAGTATGAGGATTAAGGATGCAACCATGCTGATTTATTTT 405318
QY 296 -----GTAGAGCAAGGTTTTCATGTGTCCAGGCTGCTGAACTCTGAGG 346
DB 405319 GTAGTTTATGATGAGAGGGGTTTCAAGATTTGGCCGGCTGTCTCAACTCTGACC 405378
QY 347 TCAAGGATTCGGCACTCAAGCTTCCCAAGTCTAGATTAATTAAGCATGAGCCACTGT 406
DB 405379 TCAAGTATCCGCGCTCCGCTCCCAAGGCTGAGATTAATGCGTGAAGCCACCG 405438
QY 407 GCCCAAGCTATCTCAACGATTAATGCTTAACTTT--AGATTCGGCTATGT 464
DB 405439 CCGCAAGCTATCTTAAATATATCCCTGCTTCAATGCAATGCTATGCTGTAG 405498
QY 465 CTCACACCTTCTGCTTACTCAACATCTTGTCTTAAGCACTAGCTTCTCTAT 524
DB 405499 CTTCCAGATGCTCTCTCTATGCTCAATCTCTATCTCTCAAAATTAATCTTCTCT 405558
QY 525 GGTAAACATTTTATGAGTTTATTCATCTGCTTATTTTCTTATCTCTATACAGAA 584
DB 405559 GCCAACTAGATCTTAAACAGATGAGTCACTTACCTCTGATTTAAATATGA 405618
QY 585 TTGAATATTTTAAATTAAGCACTCATGTTCAATCTTGAATGAAGAAAAAATG 644
DB 405619 TAACTATCACTCGCAAGGAACTTGAACATGCAATTCATCTTTTACAG 405678
QY 645 CATAGATTGAAAAAACAATTTTAACTAATTTTGAATATAGTTCTATAT 704
DB 405679 CTTATCCCTCTATAGTCTCTGCTGTGCAACTTATCTCAAAATAGTTTCAAGTT 405738
QY 705 AAAACA-----AGATTAAGCCAGGTGAGTGTCAATGCTTATCTTATCCAGCA 755
DB 405739 CTTTACAGTTCTATATGAGGCGGCAAGTGTCTAAGCTGTAATCCAGCA 405798
QY 756 ATTTGGAAGTGAAGTGAAGATGCTTGAAGCCAGGGTTCAAGCAAGCTTGGCA 815
DB 405799 CTTTGAAGGCGGAGGCGGCGGAT--CAGAGGTGAGGATGAGATCATCTCTGCTTA 405856
QY 816 ACATGAGAGATCCCATCTCTTCTTTTACACACACACACACACACACAAATAT 875
DB 405857 ATCCGTTGAACCTGCTCTTACTATAAAATACAAAAAATTAAGCCAGCTGCTGCGGG 405916
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QY 876 CTGATGCAACAGGTGCACTATTACACATTTTGAGTATGATGACTTAAATAT 935
DB 405917 CCGCTGATGCTCCAGCTACTCCGAGGCTGAGGAGGAGAAATGAGTGAACCCGGAGGC 405976
QY 936 TCGAGTTATCACAACAATGTAACATAATGAAGTCTGTATGATGATTTGCCAC 995
DB 405977 GAGCTGCAATGAGCCAGATGCGGCCATGCACTCCAGTCTGGCGCAGAGCAAGAC 406036
QY 996 AAAGTCAAGATGCTATATCTCTGTATTTTGTATTAATTAATTAAGAAATG 1055
DB 406037 TCGTCTCAAAAAAACAACAAAAAACAACAAATTTATGATATGATGAGAC 406096
QY 1056 CTAGGTTTCAAGTTGATTTTGTCCGACG-----TCTGTGAGCGCAGGTTAGACGC 1110
DB 406097 TTTGTCTCATGCTATTTTTCATTCCTGTGAGTGTCTTCTCTGTGATGAAGAAATCTTTC 406156
QY 1111 CCGTCAAGCCAGGAGGAGGAGCTTACATGCAAGGTGCACTCTGGGCAATCACTAT 1170
DB 406157 ATACTCAAGATGAATTTTGAAGTTACTTCTTGTGAATCTTCAATGATTTCCAAAGT 406216
QY 1171 ATTCGAGGCGGAGGAGCTTCCGAGCCAGCTGCTCCAGGAGGAGAGACAC 1230
DB 406217 CAGGCTTTCTATGTAATTTATTTTACATATGCTATTAATAAACAACAAAC 406276
QY 1231 ACTTAAGATTTGGGCGCGCTGTAGCTATGCCCTGATCCAGCACTTGGGAGGC 1290
DB 406277 AAAAAAACAAGACAGGAGGAGGAGGCTCAAGCTGTAATCCAGCACTTTGAGAGGC 406336
QY 1291 TGAGGCGTGAATGATCTTGTGAGAGGATTTGAGACCAAGTCACTTGGGAGAGC 1350
DB 406337 TAAAGGAGGAGTATCAAG--GTCAAGATTTGAACAGCTTGGCAATATGTAAC 406395
QY 1351 CCGTCCCTAAAAAATTTTTTTTAAATTAATTAAGCAGTTGTGAGCGCTGTAGTCCA 1410
DB 406396 GCGTCTCTATTAATAAATAAATAATGTCGGGTGTGAGGAGCGCTGTATATCCA 406455
QY 1411 GCTACTCGGAGGCTGAGGTGAGAGATGCTGAGCTCA--GAGTTCCAGACTGCACTGA 1469
DB 406456 GCTCTTCAGAGACTGAGGAGAGAAATCCCTGTAATCTGGAGGAGGAGTTGCACTGA 406515
QY 1470 GCCATGATGGCGGCACTGCACTCCAGC 1496
DB 406516 GCGAGAAAGCACAACCTGCACTCCAGC 406542
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RESULT 11
US-09-949-016-14578
; Sequence 14578, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14578
; LENGTH: 678533
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1) --(678533)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14578
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Job time : 473.266 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 1, 2005, 20:20:43 ; Search time 2201.31 Seconds
(without alignments)
6202.889 Million cell updates/sec

Title: US-09-909-317-5
Perfect score: 2085
Sequence: 1 tttagggatgatatactgtc.....cgggcccgtctgcgcgcg999 2085

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 733684 seqs, 327445616 residues

Total number of hits satisfying chosen parameters: 14677368

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:*

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- 2: /cgn2_6/ptodata/2/pubpna/PCR_NEW_PUB.seq:*
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- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
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- 16: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
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- 23: /cgn2_6/ptodata/2/pubpna/US11_PUBCOMB.seq:*
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- 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2085	100.0	2085	11	US-09-909-317-5
2	1223.6	58.7	10619	14	US-10-239-676-1
3	1223.6	58.7	10619	15	US-10-311-455-43
4	1223.6	58.7	10619	15	US-10-240-453-1
5	1223.6	58.7	10619	18	US-10-240-589C-1
6	1203.2	57.7	10619	14	US-10-239-676-2
7	1203.2	57.7	10619	15	US-10-311-455-44

C	8	1203.2	57.7	10619	15	US-10-240-453-2	Sequence 2, Appli
C	9	1203.2	57.7	10619	18	US-10-240-589C-2	Sequence 2, Appli
	10	699.4	33.5	844	13	US-10-027-632-154183	Sequence 154183,
	11	699.4	33.5	844	17	US-10-027-632-154183	Sequence 154183,
	12	265.4	12.7	665	9	US-09-960-253-107	Sequence 107, App
	13	261.4	12.5	3859	4	US-09-864-864-300	Sequence 300, App
	14	261.4	12.5	3859	14	US-10-097-340-3	Sequence 3, Appli
	15	261.4	12.5	3859	14	US-10-163-587A-3	Sequence 3, Appli
	16	259.2	12.4	4100	20	US-10-723-860-6526	Sequence 6526, Ap
	17	255	12.2	652	20	US-10-363-345A-33299	Sequence 33299, A
C	18	255	12.2	652	20	US-10-363-345A-33300	Sequence 33300, A
	19	255	12.2	652	21	US-10-363-483A-33259	Sequence 33259, A
C	20	255	12.2	652	21	US-10-363-483A-33300	Sequence 33300, A
	21	247.8	11.9	654	20	US-10-363-345A-11999	Sequence 11999, A
	22	247.8	11.9	654	20	US-10-363-345A-12000	Sequence 12000, A
	23	247.8	11.9	654	21	US-10-363-483A-11999	Sequence 11999, A
C	24	247.8	11.9	654	21	US-10-363-483A-12000	Sequence 12000, A
C	25	244.6	11.7	1614	9	US-09-764-860-986	Sequence 986, App
C	26	244.6	11.7	1614	9	US-09-764-860-987	Sequence 987, App
C	27	244.6	11.7	1614	14	US-10-074-095-986	Sequence 986, App
C	28	244.6	11.7	1614	14	US-10-074-095-987	Sequence 987, App
C	29	244.6	11.7	1614	17	US-10-212-872-986	Sequence 986, App
C	30	244.6	11.7	1614	17	US-10-212-872-987	Sequence 987, App
	31	243.8	11.7	3686	15	US-10-084-817-316	Sequence 316, App
	32	239.2	11.5	722	9	US-09-960-253-106	Sequence 106, App
C	33	234.8	11.3	3861	17	US-10-734-143-100	Sequence 100, App
	34	227.4	10.9	57181	21	US-10-741-600-17781	Sequence 17781, A
	35	227.2	10.9	107820	19	US-09-792-616-1	Sequence 1, Appli
	36	227.2	10.9	107820	19	US-10-764-328-1	Sequence 1, Appli
	37	227.2	10.9	172984	21	US-10-484-577-661	Sequence 661, App
	38	226	10.8	67783	11	US-09-997-732-238	Sequence 238, App
	39	220.6	10.6	370	20	US-10-723-860-2326	Sequence 2326, Ap
C	40	219.8	10.5	32191	17	US-10-074-024-446	Sequence 446, App
	41	219.2	10.5	96595	17	US-10-034-650-34	Sequence 34, Appli
C	42	218.6	10.5	147620	20	US-10-723-860-2768	Sequence 2768, Ap
C	43	217.6	10.4	166536	22	US-10-981-277-35	Sequence 35, Appli
	44	217.6	10.4	169659	19	US-10-322-696-70	Sequence 70, Appli
	45	217.2	10.4	28693	21	US-10-741-600-17761	Sequence 17761, A

ALIGNMENTS

RESULT 1
US-09-909-317-5
; Sequence 5, Application US/0909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-5

Query Match 100.0%; Score 2085; DB 11; Length 2085;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2085; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTtagggatgatatactgtcAACCCAGAGGATGATATCATGCTTTTGACTTGCTA 60
DB 1 TTtagggatgatatactgtcAACCCAGAGGATGATATCATGCTTTTGACTTGCTA 60

QY 61 TTCTCTAAGTAAACCTTTATTTGTCATCATATTTTCCATTATTCCTTTACTTCA 120
Db 61 TTCTCTAAGTAAACCTTTATTTGTCATCATATTTTCCATTATTCCTTTACTTCA 120
QY 121 AAATATCTTTTTTTTTTTTTTTTGAAGAGGGTCACTGTGCAACCGAGGTAGAGTCAG 180
Db 121 AAATATCTTTTTTTTTTTTTTTTGAAGAGGGTCACTGTGCAACCGAGGTAGAGTCAG 180
QY 181 TGGCACTATCATGAGTCAACCAAGCCTCAACCTTCAAGGGTCAAGTATCTCCACTTC 240
Db 181 TGGCACTATCATGAGTCAACCAAGCCTCAACCTTCAAGGGTCAAGTATCTCCACTTC 240
QY 241 AGCCTCCGAGTATGATGGGACTACAGGCACTGTCACACCCCAAGCTAATTTTGTAGA 300
Db 241 AGCCTCCGAGTATGATGGGACTACAGGCACTGTCACACCCCAAGCTAATTTTGTAGA 300
QY 301 GACAAGGTTTGGCATGTTGTCAGAGGTGGTCTTGAACCTGAGGGTCAAGGGATCGGCG 360
Db 301 GACAAGGTTTGGCATGTTGTCAGAGGTGGTCTTGAACCTGAGGGTCAAGGGATCGGCG 360
QY 361 CACCTGAGCCTCCCAAGTGTCTAGATTTAGGCACTGATGCGGAGCTTCACTT 420
Db 361 CACCTGAGCCTCCCAAGTGTCTAGATTTAGGCACTGATGCGGAGCTTCACTT 420
QY 421 CAACGTAATCTAATCTGTTACTAATCTTTAGGATTCGGCTTATGTCACACTTCTGCG 480
Db 421 CAACGTAATCTAATCTGTTACTAATCTTTAGGATTCGGCTTATGTCACACTTCTGCG 480
QY 481 TTACTCAACATCTGTTGTTAGGCACTAGCTTCTCTATAGGTTACACTTTTAT 540
Db 481 TTACTCAACATCTGTTGTTAGGCACTAGCTTCTCTATAGGTTACACTTTTAT 540
QY 541 GAGTTTATTCATCTGTTATTTTCTTATCTCTATACAGAAATGAAATTTTCAAT 600
Db 541 GAGTTTATTCATCTGTTATTTTCTTATCTCTATACAGAAATGAAATTTTCAAT 600
QY 601 AAAGCACTCATGTTTCAATCTTTGAATGAAAAAAATGCAATAGATTTGAAAAAG 660
Db 601 AAAGCACTCATGTTTCAATCTTTGAATGAAAAAAATGCAATAGATTTGAAAAAG 660
QY 661 AAACCAATTTTAACTATATTTTGAAGTATGATTTATTAACAACAAGATCTAG 720
Db 661 AAACCAATTTTAACTATATTTTGAAGTATGATTTATTAACAACAAGATCTAG 720
QY 721 GCCAGGTGAGTGGCTCATGCTGTAATCCCAAAATTTGGGAAGTCAAGGTGGAGAGT 780
Db 721 GCCAGGTGAGTGGCTCATGCTGTAATCCCAAAATTTGGGAAGTCAAGGTGGAGAGT 780
QY 781 TGGTTAGGCTCAGGGGTTCAAGACCAAGCTGGGCAACATGAGAGATTTCCCATCTCTT 840
Db 781 TGGTTAGGCTCAGGGGTTCAAGACCAAGCTGGGCAACATGAGAGATTTCCCATCTCTT 840
QY 841 CTTTACACACACACACACACACACAAATATCTGATAGGACAGGTCAGTATTA 900
Db 841 CTTTACACACACACACACACACACAAATATCTGATAGGACAGGTCAGTATTA 900
QY 901 CCACAAATTTGAGTATGATGAGCTTAAATATTTTCAAGTATCAACAACATGTA 960
Db 901 CCACAAATTTGAGTATGATGAGCTTAAATATTTTCAAGTATCAACAACATGTA 960
QY 961 CTAAATGAAAAAGCTGTGATGATCTATGCTCCCAAAAGTCAAGGATCTGTAATATCTC 1020
Db 961 CTAAATGAAAAAGCTGTGATGATCTATGCTCCCAAAAGTCAAGGATCTGTAATATCTC 1020
QY 1021 CTGGTATTTGTATTAATTCATATTAAGAAATGCTAGGTTTCAGTTGTAATTTGTCC 1080
Db 1021 CTGGTATTTGTATTAATTCATATTAAGAAATGCTAGGTTTCAGTTGTAATTTGTCC 1080
QY 1081 CGACGGTCTGTGACGGCAGGTTAGAACGCGCTCCCAAGCAGAGGGTGTGACCTAGAC 1140
Db 1081 CGACGGTCTGTGACGGCAGGTTAGAACGCGCTCCCAAGCAGAGGGTGTGACCTAGAC 1140
QY 1141 TGCAGGGTCCACTCGGGCCAATCAATATATTTCCGAGGCGGGGCTGCGCTTCCGG 1200

Db 1141 TGCAGGGTCCACTCGGGCCAATCAATATATTTCCGAGGCGGGGCTGCGCTTCCGG 1200
QY 1201 ACCCAGTGCCTTCAGGGGAGAGAGACACTTAAGATTTGGGGCGGCTGTAGACT 1260
Db 1201 ACCCAGTGCCTTCAGGGGAGAGAGACACTTAAGATTTGGGGCGGCTGTAGACT 1260
QY 1261 CATGCCCTGATCCAGAGCACTTCGGGAGCTGAGGCTGAGATCACTTGTAGCAGAGT 1320
Db 1261 CATGCCCTGATCCAGAGCACTTCGGGAGCTGAGGCTGAGATCACTTGTAGCAGAGT 1320
QY 1321 TTGAGACCACTTACCAACTTTGGGAGACCTGTCTCTTAAAAATTTTAAAAAT 1380
Db 1321 TTGAGACCACTTACCAACTTTGGGAGACCTGTCTCTTAAAAATTTTAAAAAT 1380
QY 1381 ACCCAGTGTGTGAGCGCTGTAGTCCAGCTACTCGGAGAGCTGAGGTGGAGAGATC 1440
Db 1381 ACCCAGTGTGTGAGCGCTGTAGTCCAGCTACTCGGAGAGCTGAGGTGGAGAGATC 1440
QY 1441 CTGGGCTCAGAGGTTCCAGACTGACATGAGCCATGATGGCGCACTCCTCAGCGCG 1500
Db 1441 CTGGGCTCAGAGGTTCCAGACTGACATGAGCCATGATGGCGCACTCCTCAGCGCG 1500
QY 1501 TTAGACTAGTCTCAAAAATTAAGGGGAGGGGTTGGGGGTAATAATTAATTTGTAATC 1560
Db 1501 TTAGACTAGTCTCAAAAATTAAGGGGAGGGGTTGGGGGTAATAATTAATTTGTAATC 1560
QY 1561 AAGTAAAGCTTCTGGGACAGAACTCAAGAGGGGTGGCGCGGCTCTCAAAAGACTA 1620
Db 1561 AAGTAAAGCTTCTGGGACAGAACTCAAGAGGGGTGGCGCGGCTCTCAAAAGACTA 1620
QY 1621 CTAGCTCAGCGCCAGCGCTCGGCTCGGCTCCAGGGCAGCGCGCAGAGCTCACCGGCG 1680
Db 1621 CTAGCTCAGCGCCAGCGCTCGGCTCGGCTCCAGGGCAGCGCGCAGAGCTCACCGGCG 1680
QY 1681 AGGCGCCGGGAAATCTCCGCCCCCGGCGGAGGGGCGCGGCGGCGGCGGCGGCGG 1740
Db 1681 AGGCGCCGGGAAATCTCCGCCCCCGGCGGAGGGGCGCGGCGGCGGCGGCGGCGG 1740
QY 1741 TGGAGCGGGGTTCCGTTGGGCTCCCGGAGCAGGATCAGCAATCTATCAGGGAAACGCG 1800
Db 1741 TGGAGCGGGGTTCCGTTGGGCTCCCGGAGCAGGATCAGCAATCTATCAGGGAAACGCG 1800
QY 1801 GTGGCGGTCGCGCGTGTTCGGTGGCTCTGGCGCTCAGCGGTGGCGGCTGGTGAAGCG 1860
Db 1801 GTGGCGGTCGCGCGTGTTCGGTGGCTCTGGCGCTCAGCGGTGGCGGCTGGTGAAGCG 1860
QY 1861 CACGCGAGGCGGCGAGGCGGCAAGCGTGTTCCTAGGTCGTGGGCTGGGCTTCCGAG 1920
Db 1861 CACGCGAGGCGGCGAGGCGGCAAGCGTGTTCCTAGGTCGTGGGCTGGGCTTCCGAG 1920
QY 1921 CTTTGGCGGCTGAGGAGGATGGCGAGTCTTCGAGTAAGCTCTATCGAGTGAAGTA 1980
Db 1921 CTTTGGCGGCTGAGGAGGATGGCGAGTCTTCGAGTAAGCTCTATCGAGTGAAGTA 1980
QY 1981 CGCAGAGCGGCGCGCTCTTTCAGAAATATGACGAGAGACATCCCAAGAGACTCGCT 2040
Db 1981 CGCAGAGCGGCGCGCTCTTTCAGAAATATGACGAGAGACATCCCAAGAGACTCGCT 2040
QY 2041 CCGGATGGCCATCATGTTGCAAGTCCGGGCGGCTGTGGCGGGG 2085
Db 2041 CCGGATGGCCATCATGTTGCAAGTCCGGGCGGCTGTGGCGGGG 2085

RESULT 2
US-10-239-676-1
; Sequence 1, Application US/10239676
; Publication No. US20030082609A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: RIPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation

```

FILE REFERENCE: 5013.1003
CURRENT APPLICATION NUMBER: US/10/239,676
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: PCT/EP01/03968
DE 10019058.8
DE 10019173.8
DE 10032529.7
DE 10043826.1
PRIOR FILING DATE: 2001-04-06
2000-04-06
2000-04-07
2000-06-30
2000-09-01
NUMBER OF SEQ ID NOS: 228
SEQ ID NO 1
LENGTH: 10619
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)
US-10-239-676-1

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Query Match	58.7%	Score 1223.6;	DB 14;	Length 10619;
Best Local Similarity	77.2%	Pred. No. 4.6e-289;		
Matches 1618; Conservative	0;	Mismatches 459;	Indels 19;	Gaps 10;

QY	1	TTTGGGATGATATAGTGTGCAACCCAGATAGGATATATAGCTTTTACATTCGTGCA	60
Db	3116	TTTAGGATGATATAGTGTGTAATTTAGATAGGATATATAGTGTGTGTAATTTGGTGA	3175
QY	61	TTCTCTAGTAAACCTTTATTTGTTCCATATATTTTCCATTATTCGTTTACCTTCA	120
Db	3176	TTTTTAAAGTAAATTTTATTTGTTTATATATTTTATTTATTTTGTGTTATTTTGA	3235
QY	121	AAATATCTTTTTTTTTTTTTTTTGAGACAGGGTCACTGTGACCCAGGCTAGAGTCCAG	180
Db	3236	AAAAA- -TTTTTTTTTTTTTTTTTGAATAGGGTATATATGTTATTTAGGTTAGAGTTAG	3293
QY	181	TGGCACTATCATGGCTCACCAAGCCTCAACCTTCAGGGCTCAGGTATCCGCCACTTTC	240
Db	3294	TGGATATATATATGTTTATATATAGTTTAAATTTTAAAGGTTTAGGTATTTTATTTT	3353
QY	241	AGCCTCCGATGATAGTGGACTACAGSACCTGCCACCACCCACGTAATTTTGTAGA	300
Db	3354	AGTTTTCGATGATAGTGGATTAATAGTATTTGTTATATTTTATAGTTAAATTTTGTAGA	3413
QY	301	GACAAAGTTTGGCATGTGTCCAGGCTGTCTGAATCCTGGGCTCAAGGATCCGGC	360
Db	3414	GATTAAGGTTTGTATAGTGTGTTAGGTGTTTGAAATTTTGGGTTTAAAGGATCCGT	3473
QY	361	CACCTCAGCCTCCCAAGTGTAGGATTTATAGCATGAGCACACTGTGCCAGCTACCTT	420
Db	3474	TATTTTAGTTTTTAAAGTGTAGGATTAATAGTATGATTAATGTGTTAGTTATTTT	3533
QY	421	CAAGGTATCTAACTGTGTTACTCTTAATTTAGGATTCGGCTATGTCTCAACACTTCTGC	480
Db	3534	TAAAGTATTAATGTTATTAATTTTAAAGTATTCGGTTATGTTATTAATTTTGT	3593
QY	481	TTACTCAACATCTGTGTCTTTAAGCCACTAGCTCTCTCTATAGGTAAACACTTTTAT	540
Db	3594	TTATTTAATATTTTGTTTTTTAAAGTATTAAGTTTTTTTTTAAAGTTAAATTTTTAT	3653
QY	541	GAGTTTATTTCAATCTGCTTATTTTCTTATCTCTATACCGAATTTGAATTTTCAAT	600
Db	3654	GAGTTTATTTATTTGTTTATTTTTTTTTTATTTTATTAATTAAGAAATGAAATTTTTTAAAT	3713
QY	601	AAAGCACACTCATGTCAACTCTTTGAATGGAATAAAAAAATGCATGATTTGAAAAAG	660
Db	3714	AAAGTATATTTATGTTATTAATTTTGAAT- GAAAAAATAATGATAGATTTGAAAAAG	3772
QY	661	AAACCAATTTTAAATTAATTAATTTTGAAGTATAGTTCTATATTTAAACAAGATCTAG	720
Db	3773	AAATTAATTTTAAATTAATTAATTTTGAAGTATAGTTTATTAATTAATTAATTAATTTAG	3832

QY	721	GCACGTCACATGCGCTCATGCGCTGTAATCCACGCAATTTGGGAAAGTCCAGGTGGGAGAT	780
Db	3833	GTTAGTGCTAGTATGTTTATGTTTGTAAATTTTAGTAATTTGGGAAAGTCCAGGTGGGAGAT	3892
QY	781	TGCTTAGAGCCAGGGGTTCAAGACACAGCCTGGGGCAACTGGAGAGATTCGCCATCTCTTT	840
Db	3883	TGTTTAGCGTTAAGGGGTTTAAAGATTAGTTTGGGTATATGGAGAGATTTTTTATTTTTTT	3955
QY	841	CTT-----TACACACACACACACACACACACACAAATATCTGATAGCAACAGGTGAC	894
Db	3953	TTTTATTTGATATGTAATAGGTGTTG	4012
QY	895	TCATTTACCAATTTTCGATAGTGATGAGCTTAAATATATTTTCCAGTTATCCACCAAC	954
Db	4013	TTATTTATATATATTTTCGATAGTATGATGTTTAAATATTTTCAGATTTATTTAATAT	4072
QY	955	TGTTAACTTAATGAAAAAGCTCTGTGATGACTATTTGCCCAAAAGTCCAGGTCTGCTA	1014
Db	4073	TGTTAAAGTTAATGAAAAAGCTTTGTGATGATTTATTTTAAAGTTATATAGTATTTGTTA	4132
QY	1015	ATATCTCTGATTTTGTAG-TAAATTCATAATTAAGAAAAAGTCAAGTTTCAGTTGATAT	1073
Db	4133	ATATTTTGTGATTTTGTATGTTAAATTTATATATTAAGAAAAAGTTAGTTTATGTTGATAT	4192
QY	1074	TTTGTCCCGACGGTCTGTGACGGCAGGTTAAGACGCCGTCCAGACCGAGAGGGTGGAC	1133
Db	4193	TTTGTTTTCGACGGTTTGTGACGGTAGGTTGAAGCTTCGTTTAAATTAGAGAGGGTGGAT	4252
QY	1134	CTAGCACGACAGGGTCCACCTCGGGGCCAATCACTATATTTCCGAGGCTGGGGCCTGCGC	1192
Db	4253	TTTATGATTTGTAAGGGTTTATTTTCGGGTTAATTTAATTTTTCAGAGCGGGGG--TTCCGT	4311
QY	1194	TTCCCGGACCCAGCTGCCCTCAGGGGAGAGAGACACACTTAAAGTTTGGGGCCGGCGT	1253
Db	4312	TTTTCCGATTTTATGTTGTTTTTAAAGGAGAGAGATATATTTTAAAGTTTGGGGTCCGGCT	4371
QY	1254	GGTAGCTCATGCCCCCTGATCCACACACTTCGGAGGCTGAGGCGGTGAAGATCACTTGTAG	1313
Db	4372	GGTATGTAATGTTTTTGTATTTTATATATTTCCGGAGGTTGAGCGGTGAAGATTTATTTGTAG	4433
QY	1314	CAGAGATTGAGACCAAGTCTAAGCAACTTGGCGAGACCCTGTCCCTTAAAAAAATTTTTT	1373
Db	4432	TAGAGATTGAGATTAGTTTGTATTTTATTTTGGCGAGATTTTGTTTTAAAAAAATTTTTT	4491
QY	1374	TTTAAATTAAGCAGTTGCTGACAGGGCCTGTATGCTCCAGCTACCTGGAGCGTGAAGTGGG	1433
Db	4492	TTTAAATTAAGTATGTTGTTGGTGAGGGGTTGTATGTTTATTTTCGGAGGTTGAGTGGG	4551
QY	1434	AGATTCGCTGGGCTCAGGAGTTTCAGACTGACGTGAGGCATGAGCGGCCTCACTCACTCC	1493
Db	4552	AGGATTCGTTGGGTTTAGAGATTTTAAATGTATGTATGTATGTATGTATGTATGTATTTT	4611
QY	1494	AGCGCGGTGAGACTCACTTCAAAAATPAAAGGGGAGGGGTTGGGGTAAATTAATTAAGTTG	1553
Db	4612	AGCGCGGTGAGACTTAATGTTTAAAAATPAAAGGGGAGGGGTTGGGGTAAATTAATTAAGTTG	4671
QY	1554	TGAAATCAAGTAAACTTCTCTGGGACAGAAACAATCAAAAGGGGTGGCGCCGGGTCTCTCCA	1613
Db	4672	TGAAATTAAGTAAATTTTCTCTGGATGTAAATTAAGGGGTGGCGCTCGGGTTTTTTTAA	4731
QY	1614	AGACTCTAGCTCAGCCCAAGCCCGGCTTCGGCGCCCAAGGGCAGCGGCGCAAGACTCC	1673
Db	4732	AGATTTATTAATTTATGTTTAAAGTTTCGTTTCGGTTTTTA-GTATGCGGTCTATAGTTTTT	4790
QY	1674	ACCGCGGACGGCCCGGAAAATCTCCGCCCCCGGCGGACAGGCGCGCGC-CCGCGCGGCC	1732
Db	4791	ATTGCGTATAGGGTTTCGGGAAATTTTCGTTTTTCGGTCCGTTAGGGGCGCGGTCGTCGTT	4850
QY	1733	CCGCCCCGTGACCGCGGTTCCGT-GCGCTTCCCGGCGCACAGCATCAACAATTTATCAG	1791
Db	4851	TCTGTTTGTGTGACCGCGGGTTTCGTTTCGGCGCTTTCGCGGTTATAGTATATTTATTTAG	4910

Qy	1792	GGAACGGCGGTCGCGCGCGTGTCCGGTG--CGCTCGAGCGCCTCAGCCGTGGCGG	1849
Db	4911	GGAACGGCGGTCGCGCGCGTGTCCGGTGCGTTTGGTGCCTTAAGAATTCCGG	4970
Qy	1850	CTGGGTGAGCCACATCGCAGAGCGGCGAGGCGCAAGCTGTGTCTTAAGTCGTGCGCTCG	1909
Db	4971	TTGGGTGAGCTAACCAGAGCGCGACCGGCGTA---GGGTGTTTTAGTGTGTGGCGTGG	5027
Qy	1910	GGCTTCCGGACTTTGGCGGCAGCTAAGGGAGMATGGCGAGTCTTCGGATMAACTCTAT	1969
Db	5028	GGTTTTCGAAATTTCGCGGTAGTTAAGGGAGAGTAGCGGAGTTTCGGATMAATTTTAT	5087
Qy	1970	CGAGTCGAGTACGCGCAAGAGCGGGCGCCTCTTGCAAGAAATCAGCGAGAGCATCCC	2029
Db	5088	CGAGTCGAGTACGTTAAGAGCGGGCGGCTTTTTGTAAAGAAATTAAGAGAGATATTTT	5147
Qy	2030	AAGGACTCGCTCCGGATGGCATATGATGCAAGTGGCGGCCCGCTGTGCGCGGGG	2085
Db	5148	AAGATTCGTTTCGATAGTTATTAATGATGTAAGTGGCGGGTTTTGTGCGGGCGCG	5203

RESULT 3

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US-10-311-455-43
: Sequence 43, Application US/10311455
: Publication No. US20030143606A1
: GENERAL INFORMATION:
: APPLICANT: OLEK, Alexander
: APPLICANT: PIEPENBROCK, Christian
: APPLICANT: BERLIN, Kurt
: TITLE OF INVENTION: Diagnosis of diseases Associated with the Immune System by Determining the Cytosine Methylation of a Specific Cytosine
: TITLE OF INVENTION: Cytosine methylation
: PILE REFERENCE: 5013.1014
: CURRENT APPLICATION NUMBER: US/10/311,455
: CURRENT FILING DATE: 2002-12-16
: PRIOR APPLICATION NUMBER: PCT/EP01/07537
: PRIOR FILING DATE: 2001-07-02
: PRIOR APPLICATION NUMBER: DE 10032529.7
: PRIOR FILING DATE: 2000-06-30
: PRIOR APPLICATION NUMBER: DE 10043826.1
: PRIOR FILING DATE: 2000-09-01
: NUMBER OF SEQ ID NOS: 2424
: SEQ ID NO 43
: LENGTH: 10619
: TYPE: DNA
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-43

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Query Match	58.7%;	Score 1223.6;	DB 15;	Length 10619;
Best Local Similarity	77.2%;	Pred. No. 4.6e-389;		
Matches 1618;	Conservative	0;	Mismatches 459;	Indels 19;
				Gaps 10;

[illegible]

OY	301	GACAAAGTTTTGCCATGTTGTCAGAGCTGGCTTGAACCTCGGGGCTCAAGGATCCGGC	360
Db	3414	GATAGAGTTTTGTTATGTGTGTTAGTGTGGTTTTGAATTTTTGGGTTTTAAGGGATTCGGT	3473
OY	361	CACCTCAGCCCTCCAAAGCTAGAGTTATAGCATAGCCACCTGCCAGCCTACCTT	420
Db	3474	TATTTTAGTTTTTAAAGTGTAGAGTTATAGATAGATATATGTGTTAGTTATTTT	3533
OY	421	CAACGATCTAAGCTGTACTAACTTTTAAAGATTGGGCTATGTCACAACTTCTTGC	480
Db	3534	TAAAGTTTTTAATGTGTTATTTAATTTTAAAGATTCCGTTATGTATTATTAATTTTTTGT	3593
OY	481	TTACTCAACATCCTGTCTCTTAAGCACAAGTCTCTCTAATGTAACTTTTAT	540
Db	3594	TTATTTAATATTTTTTGGTTTTTAAAGTTAAGTTATTTTTTTTTTAAAGTTAATTTTTTAT	3653
OY	541	GAGTTTTTATTCATGTGCTTATTTTTTCTTATCTCTATACAGAAATGATATTTTCAAT	600
Db	3654	GAGTTTTTATTTATTTGTTATTTTTTTTTTTTTTATTTATTTAGAAATTTATTTTAAAT	3713
OY	601	AAAGCACACTATGTTAACAATCTTTGAAATGAAAAAATATGATAGATTAGAAAG	660
Db	3714	AAAGTATATTTATGTATTAATTTTGTGAAT-GAAAAAATAATGTATAGATTGAAAG	3772
OY	661	AAACCAATTTTAAATTAACATATTTTGAAGTATAGTCTATATTTAAACACAAGATCTAG	720
Db	3773	AAATTAATTTTAAATTAATTTTATTTTAAAGTATAGTTTATTAATTAATTAATTTTAA	3832
OY	721	GCCAGGTGCAGTGGCTCATGCTGTATCCAGCAATTTTGGGAAGTCAGAGTGGAGAT	780
Db	3833	GTTAGGTGTAGTGTATGTGTGTATTTTAGTATTTTGGAGAGTCAGAGTGGAGAT	3892
OY	781	TGCTTGAAGCCAGGGGTTCAAGACAGCCTGGCAATGAGAGATTTCCCATCTCTT	840
Db	3893	TGTTTGAAGTTAGGGGTTTAAAGATTAGTTGGGTAATGAGAGATTTTATTTTTT	3952
OY	841	CTT-----TACACACACACACACACACACAAATATCTGATGCAACAGTGCAG	894
Db	3953	TTTTATG	4012
OY	895	TCATTACCAAAATTTGAGTAGTAGTAGCTTAATATTTGAGTTATCACCAAC	954
Db	4013	TTATTTATTTATTTTCAAGTAGTAGTAGTTTATTAATATTTTCAAGTTATTTATTAAT	4072
OY	955	TGTAACTAAATGAAAAAGCTGTGTATGACTATATGCCCAAGTCAACAGTACTCTA	1014
Db	4073	TGTAAAGTAATGAAAAAGCTTGTGTATGATATATGTTTAAAGTTATAGTATGTGTA	4132
OY	1015	ATACTCCTGTTATTAG-TAAATCATATAAAGAAATGCTAGGTTCAAGTGTAT	1073
Db	4133	ATATTTTGGTATTTGTAGTTAAATTTTATTAAGAAATGTTAGGTTTTAGTGTAT	4192
OY	1074	TTTGTCCGACGGTCTGAGACGGCAGGTAGAAAGCCCGTCAAGCAGAGGGGTGAC	1133
Db	4193	TTTTTTTGCAGGTTTGTGACGGTAGGTAGAAAGCTTCGTTTAAAGTTAGAGGTTGAT	4252
OY	1134	CTAGCACTGCAGGGTCCACCTCGGGCCAATCAATATTTCCGAGCGGGGCTCGC	1193
Db	4253	TTATGTTATGTAGGTTTATTTCCGGTTATTAATTAATTTTGAAGCGGGGG-TTCGGT	4311
OY	1194	TTCCCGGACCAAGTCCCTCAGAGGGAGAGACACACTTAAAGATTTGGGCGCGCT	1253
Db	4312	TTTTTCGATTTTAAAGTTTGTTTTAAAGGGAGAGAGATATATTTTAAAGATTTGGGCGT	4371
OY	1254	GGTAGCTCAGCCCTGATCCAGCACTTGGGAGGCTGAGGCGTGAAGATCATTTTATAG	1313
Db	4372	GGTAGTATATGTTTTTATATTTTATATTTTGGGAGGTTGAGGCGTGAAGATTAATTGTAG	4431
OY	1314	CAGAGTTTTGAGCAGAGCTAGCAAACTTGAGCAGACCTGTCCCTAAAAAATTTTTT	1373
Db	4432	TAGAGATTTAGATTTAGTTATGTTAATTTGGCCAGATTTTGTTTTAAAAAATTTTTT	4491
OY	1374	TTTAAATTAGCCAGTTGTGTGAGCGCTGTATGTCACAGTATCTCGGAGGCTGAGTGGG	1433

1374 TTTAATTAGCCAGTTGTGGTGAGCGCCTGTAGTCCAGCTACTCGGAGGCTGAGTGG 1433

Qy	899	TCATTACCA	CAATTTCCG	AGTACG	TGATG	AGCTAA	TAAATTTCCG	ATTACCA	CAAC	954
Db	4013	TTATTATTAT	TAATTTCCG	AGTACG	TGATG	AGCTAA	TAAATTTCCG	ATTATAT	AT	4072
Qy	955	TGTAACTA	CACTGAAA	CGTCTG	ATGATG	ACTATG	CCACAA	ATCAAG	TA	1014
Db	4073	TGTAAAGTA	TATGAAA	CGTTGTG	ATGATG	ATTTGTTA	TAAAGT	TATAG	TA	4132
Qy	1015	ATACTCTG	GTATTTGTAG	-TAA	TTCA	TAAATG	AAATGCTA	GTTCAG	TTGGTAT	1073
Db	4133	ATAATTTT	GGTATTTGTG	ATGATG	AAATTTAT	TAAAGAA	ATGTTAG	TTTATG	TTGAT	4192
Qy	1074	TTTGTCCG	AGGCTGTG	TGAGAG	GGATG	ATAAGCC	CGTCAAG	CCAGAG	GGGTGAT	1133
Db	4193	TTTGTTCG	ACGCTTTGTG	TGAGAG	GGATG	ATAAGCC	CGTCAAG	CCAGAG	GGGTGAT	4252
Qy	1134	CTAGAC	CTGACAGG	GTCCA	CTTCG	GGGCAAT	CAACTAT	ATTTCCG	AGCGGGGCTGTG	1193
Db	4253	TTAGTA	TTGTAGGG	TTTATTTT	CGGGTAT	TATATAT	TTTTTTCG	AGGGGGG	-TTGGGT	4311
Qy	1194	TTCCCG	AGACCA	CGTGCCT	CA	GGGAGAG	AGACA	CACTTA	AGTTGG	1253
Db	4312	TTTTCG	AGATTTAT	GTGTTTAT	TGAGG	AGAGATAT	TTTAA	AGTTTGG	GGTCCGCT	4371
Qy	1254	GGTA	GCTCAT	GGCCGAT	CCAGAC	CTTCCG	GAAGCTG	AGGCGGA	AGATCA	1313
Db	4372	GGTAGTA	TATGTTTTG	TATTTG	ATTTAGTA	TTTCG	GAAGCTG	AGGCGGA	AGATCA	4431
Qy	1314	CAGAG	TTTGAAC	CAAGTCT	TACCA	CTTGCG	AGACCT	CTGCTTA	AAAAAATTTT	1373
Db	4432	TAGAG	TTTGAAT	TATGTTT	TACTTAT	TTTGG	GAGATTT	TGTTTTT	AAAAAATTTT	4491
Qy	1374	TTTTAT	TAGCCAG	TTGTGTG	TAGCC	CTGTAGT	CCAG	CTACT	CGGAG	1433
Db	4492	TTTTAT	TATGAT	TTGTGTG	TAGCC	CTGTAGT	CCAG	CTACT	CGGAG	4551
Qy	1434	AGAG	TCCG	TGCTCA	GAGAT	TCAGAC	TGAG	AGCA	TGATGG	1493
Db	4552	AGAGAT	CTGTGTG	TTTAGAG	TTTATG	ATGATG	AGCTG	ATGATG	ATGATG	4611
Qy	1494	AGCG	CGGTAG	ACTCAGT	CTCAAAA	TAAAGGG	GAGGGT	TGGGGGT	TAAATATG	1553
Db	4612	AGCG	CGGTAG	ACTTATG	TTTAAAA	TAAAGGG	GAGGGT	TGGGGGT	TAAATATG	4671
Qy	1554	TGAAT	CAATAG	ACTTCT	GAGAC	AGAA	CAATCA	AAAGGG	TGGCGCT	1613
Db	4672	TGAAT	TAATAG	ACTTCTT	TGGAG	TAGAA	TATTA	AAAGGG	TGGCGCT	4731
Qy	1614	AAGAG	CTACTAG	CTCAG	CCCAAG	CCCCCG	CTCG	CCCCCAG	GGCAG	1673
Db	4732	AAGAG	TAATAG	TTTATG	TTTAA	GTTCG	TTTAA	-GGT	ACCGGT	4790
Qy	1674	ACCG	CGCAG	CGCCCG	GGAAA	CTCCG	CCCCCG	CGCAG	GGCGCG	1732
Db	4791	ATTC	CGTACG	CTGTGG	AAATTTG	CTTTT	CGCTG	CGATAG	GGCGCT	4855
Qy	1733	CGC	CCCCGT	GACCGCG	GTTCCT	-GG	CTTCCG	CGCAG	GATCA	1791
Db	4851	TGCT	TTTCG	TGACCG	GGTTT	CTGTGG	CGTTT	TCGGGGT	ATGATAT	4910
Qy	1792	GGA	ACGCG	CGGTGG	CGCGCT	GTTCG	GTG	--CG	CTTGG	1849
Db	4911	GGA	ACGCG	CGGTGG	CGCGCT	GTTCG	GTG	--CG	CTTGG	4970
Qy	1850	CTGG	GTGAG	CGCAG	CGCGCG	CGCGCG	CGAG	CGTATG	TTTCTAG	1909
Db	4971	TTGG	GTGAG	CGTAC	CGGAG	CGCGCG	CGAG	CGTATG	TTTCTAG	5022
Qy	1910	GG	CTTC	CGAG	CTTTG	CGCG	CACTAG	GGAG	ATG	1968
Db	5028	GG	TTTT	CGAG	TTTTG	CGCG	CACTAG	GGAG	ATG	5087
Qy	1970	CGAG	TGAG	TACCA	AGCGGG	CGCGCT	CTTGC	AGAA	TGACG	2023

Db	5088	CGAGTCAGTACGTTAGTACCGCGCGGCGTTTGTGAAGAAATGTACGAGAGATTTT	5147
Qy	2030	AAGGACTGCGTCCGGATGCGCATCATGTGTCAGGTGCGGCGCGCTGTGCGCGGG	2085
Db	5148	AAGGATTCGTTTGGATGATTTATATATGTGTAGTGTGCGGCTTTTGTGCGGCGCG	5203

RESULT 5
US-10-240-589C-1
; Sequence 1, Application US/10240589C
; Publication No. US2004076956A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; TITLE OF INVENTION: DNA repair
; FILE REFERENCE: 5013.1008
; CURRENT APPLICATION NUMBER: US/10/240, 589C
; PRIOR APPLICATION NUMBER: PCT/EP01/03972
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 148
; SEQ ID NO 1
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-589C-1

Query Match	58.7%; Score 1223.6; DB 18; Length 10619;
Best Local Similarity	77.2%; Pred. No. 4.6e-289;
Matches 1618; Conservative 0; Mismatches 459; Indels 19; Gaps 10;	
Qy	1 TTTAGGAGTATATATGTTGTCACCCAGAGATGSCATGATGCGCTTTGACTGTGCTCA 60
Db	3116 TTTAGGAGTATATATGTTGTTAATTTAGAGATGCTAGATTAATGTTTGTGATTTGGTTA 3175
Qy	61 TTCTCTAGTAACTTTTATTTGTTCCATCATATTTTCCACTATCTGTTTACCTTCA 120
Db	3176 TTTTAAAGTAAATTTTATTTATTTTATTTATTTATTTTATTTATTTTATTTTATTTT 3235
Qy	121 AAATATCTTTTTTTTTTTTTTTTGTAGACAGGGTCACATGTCACCCAGGCTAGAGTCAG 180
Db	3236 AAATAT--TTTTTTTTTTTTTTTTTGTAGATAGGGTTATATTTGTATTTAGGTTAGGTTT 3293
Qy	181 TGGCATATATCATGGCTCACACAGCTTCAACTTTAGGGCTCAGGTGATCTCCCACTTC 240
Db	3294 TGGATATATATATGTTTATATATAGTTTAAATTTTAAAGGTTTATGATTTTATATTTT 3353
Qy	241 AGCTCCCGATAGATGGGACTACAGGACCTGTCACACCCCGAGCTAATTTTGTAGA 300
Db	3354 AGTTTTCGATAGATGGGATTTATAGTATTTGTATTTATTTTATTTTATTTTATTTTGA 3413
Qy	301 GACAGGTTTTGGCATGTGTCACAGGCTGTGCTTGAATCCTGGGCTCAAGGATCCGGC 360
Db	3414 GATTAAGTTTTGTATATGTTTGTATAGGTTGGTTTGAATTTTGGGTTTAAAGGATTCGGT 3473
Qy	361 CACCTCAGCCCTCCAAAGTGTCTAGATTTATAGCATGAGCCATGTGCCAGCCTTACTT 420
Db	3474 TATTTTATGTTTTTAAAGTGTAGATTTATATAGTATATGTTATGTTTATGTTATTTT 3533
Qy	421 CAAGCTATCTACTGTGTTACTTAACTTTTAAAGATTGGGCTATATGCTACAAACTTTTTCG 480

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Db 3534 TAAAGTATTTAATGTTATTTAATTTTAAAGATTCGGTTATATGTTTATATATTTTGT 3593
Qy 481 TTAACAAACCTCTGTCTCTTAAGCCACGATCTTCTCTATAGTTAAACATTTTAT 540
Db 3594 TTATTTAATATTTTGTGTTTAAAGTTATGATTTTATTTTAAATTTTATTTTAT 3653
Qy 541 GAGTTTATTCATCTGCTTATTTTCTATCTCTATACGAAATGATATTTTCAAT 600
Db 3654 GAGTTTATTTAATTTGTTATTTTATTTTATTTTATTTATTTGAATTTTAAAT 3713
Qy 601 AAAGCAACATCTATCAATCTTTGAAATGAAAAAATTCATAGATTGAAAG 660
Db 3714 AAAGTAATATTTATTTTAAATTTTGAAT -GAAAAAATGTAAGATTGAAAG 3772
Qy 661 AAACCAATTTTAACTAATTTTGAATAGTTCTATATTTAAACAACAGATCTAG 720
Db 3773 AAATTAATTTTAAATTTAATTTTGAATAGTTTATTTAATTTAATTTAGATTAG 3832
Qy 721 GCCAGTGCAGTGCATGCTGTAAATCCAGCAATTTGGGAAGTCAGGTGGAGAT 780
Db 3833 GTTAGTGTAGTGGTTATGTTTGTATTTAGTAATTTGGGAAGTCAGGTGGAGAT 3892
Qy 781 TGCCTGAGCCAGGGGTTCAAGACCAAGCTGGCAATGAGAGATTTCCCATCTTT 840
Db 3893 TGTTTGAGTTAGGGGTTTAAAGATTAGTTGGGTAAATGAGAGATTTTATTTT 3952
Qy 841 CTT-----TACACACACACACACACACACAAATATCTGATGCAACAGGTGAG 894
Db 3953 TTTTATATATATATATATATATATATATATATATATATATATATATATATATAT 4012
Qy 895 TCATTCACCAATTTCCAGTAGTATGATGATTAATTAATTTCCAGTTATCACCACAC 954
Db 4013 TTATATATATATATTTGAGTAGTATGATGTTAATTAATTTTGAATTTATTAAT 4072
Qy 955 TGTAACTAATCAATGAAAACTCTGTATGACTATTTGCCCAAAAGTCACAGTACTGTA 1014
Db 4073 TGTAACTAATCAATGAAAACTGTGTATGATTTATTTTAAAGTTATGATTTGTA 4132
Qy 1015 ATATCTCGTGAATTTAG--TAAATCATATATAAGAAATGCTAGTTTCAATGCTAT 1073
Db 4133 ATATTTTGTGATTTGATTTAATTTAATTAATTAATTAATTAATTAATTTAGTTAT 4192
Qy 1074 TTTGTCCGACGCTCTGTGACGACGATTAAGACGCCCTCCACAGCAGAGGTTGAC 1133
Db 4193 TTTGTTTGAAGGTTTGTGACGATGATTAAGACGTTTGTATTAAGTTAGAGGTTGAT 4252
Qy 1134 CTAGCACTGCAAGGTTCACTCGGCAATCAACTATATTTCCGAGGCGGGGCTGCGC 1193
Db 4253 TTAGTATTTGAGGTTTATTTCCGGTTAATTAATTTATTTTGAAGCGGGG--TTCGGT 4311
Qy 1194 TTCCCGGACCCAGTGCCTCAGGGGAGAGACACACTTAAGTTTGGGCGCGCT 1253
Db 4312 TTTTCGATTTAGTTGTTTATTTAGGGAGAGATTAATTAAGATTGGGCTGCGCT 4371
Qy 1254 GGTAGCTCATGCCCTGATCCAGCACTTCGAGGCTGAGGCTGAAATCACTGTAG 1313
Db 4372 GGTAGTATATGTTTATTTAGTATTTCCGAGGTTGAGGCTGAAATTTTGTAG 4431
Qy 1314 CAGGATTTAGACACAGCTTAGCCAACTTGCGAGACCTGTCTCTAAAAAATTTT 1373
Db 4432 TAGGAGTTTGAATTTAGTTAGTTAATTTGGCGAATTTGTTTAAAAAATTTT 4491
Qy 1374 TTTAATTAGCAGTTGTTGAGGCTGTAGTCCAGCTACCTCGGAGGCTAGGCGG 1433
Db 4492 TTTAATTAGTTAGTTGTTGAGGCTTTAGTTTATTTAGTTAATTTGAGGCGG 4551
Qy 1434 AGGATCGCTGGCTCAGAGTTCCAGACTGACATGAGCCATGATGGCGCACTGCC 1493
Db 4552 AGGATCGTTGGTTTGAAGATTTTGAATTTGATGAGTTATGATGGCGGATTTGAT 4611
Qy 1494 AGGCGGTTGACTCACTCTCAAAATTAAGGGGAGGGGTTGGGGTAAATTTAGTTG 1553
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Db 4612 AGCGCGTGAATTTAGTTTAAAAATTAAGGGGAGGGGTTGGGGTAAATTTAGTTG 4671
Qy 1554 TGAATCAATTAAGACTTCTTGGAACAGAACATCAAAAGGGGTGGCGCCGGTCTTCAA 1613
Db 4672 TGAATTAATTAAGATTTTGTGGATTAATTAATTAATTAAGGGGTGGCGCTGGGTTTAA 4731
Qy 1614 AGAGCTATAGCTCAGCCCAAGCCCGCTGCGCCCCCAGGGGACGCGGCGCAGAGCTCC 1673
Db 4732 AGAGTATTTAGTTTAAAGTTTGGTTTGGTTTGA -GTAAGCGGTGTAAGATTTT 4790
Qy 1674 ACCCGGAGCGCGCGGAAAACTCCGCCCGCGCGGCGAGGCGCGCG-CCGCGCGCC 1732
Db 4791 ATTCTGAGGCGTTCCGGAATTTCTTTTTCGTGCTAGAGGGCGCGCGCTGCTGCTT 4850
Qy 1733 CCGCCCGCTGGAAGCGGGGTTCCGT -GACGTTCCCGCGGACAGGATCAGCAATCTATCAG 1791
Db 4851 TCGTTTGTGGAAGCGGGGTTTCTGAGCGTTTTCGCGGTTAGATTTAGTATTTATAG 4910
Qy 1792 GGAACGCGGTGCGCGGTGCGGTGCGGTG -CGCTTGGCCGCTCAGCCGTGCGG 1849
Db 4911 GGAACGCGGTGCGGTGCGGTGCGGTGCGGTGCGGTGCGGTGCGGTGCGGTGCGG 4970
Qy 1850 CTGGGTGAGCGCACCGGAGCGCGGAGCGGCAAGCTGTCTTCTAGTCTGTGGGCTG 1909
Db 4971 TTGGGTGAGCGTACGGAAGCGCGGAGCGGCTA---GCGGTTTTAAAGTCTGCGGCTG 5027
Qy 1910 GGCCTCCGAGCTTTGCGCGCAGCTAAGGAGATGCGCGAGCTTCGATTAAGCTTAT 1969
Db 5028 GGTTCCTCGAGTTTGTGCGGTGCTTGAAGGAGATGCGAGTTTTCGATTAAGTTTAT 5087
Qy 1970 CGAGTGAATCGCCCAAGAGCGGCGCGCTCTTGCAGAAATGACGAGACATCCCC 2029
Db 5088 CGAGTGAATCGCTTAAGAGCGGCGCGCTTTTGTAAAGAAATGACGAGATATTTT 5147
Qy 2030 AAGGACTCGCTCCGATGCGCATATGCTGAGTCCGGGCGCGCTGCGCGCGG 2085
Db 5148 AAGGATTCGTTTCGATGTTATTTATGTTAGTGTGAGTCCGGGTTTGTGCGGCGCGG 5203
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RESULT 6
US-10-239-676-2/c
; Sequence 2, Application US/10239676
; Publication No. US20030082609A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PRIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
; FILE REFERENCE: 5013.1003
; CURRENT APPLICATION NUMBER: US/10/239,676
; CURRENT FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: PCT/EP01/03968
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-04-06
; 2000-04-06
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-2
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Query Match 57.7%; Score 1203.2; DB 14; Length 10619;
Best Local Similarity 76.8%; Pred. No. 4,6e-284;
Matches 1600; Conservative 0; Mismatches 463; Indels 19; Gaps 10;
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QY 1 TTTAGGATGATATAGTGTCAACCCAGATGGATGATCATGCTTTGACTTGATGCA 60
 DB 7504 TTTAAATATATATATATATCAACCCAAAAATACATATCATCTTTAATCTATATCA 7445
 QY 61 TTCTCTAAGTAAACCTTTATTTGTCATCATATTTTCCATTAATTTCTGTTAACTTCA 120
 DB 7444 TTCTCTAATATAAACCTTTATTTATTCATCATATTTTCCATTAATTTCTGTTAACTTCA 7385
 QY 121 AATATCTTTTATTTTATTTTATTTGAGACAGGGTCACTGTCAACCCAGGCTAGATCCAG 180
 DB 7384 AATATCT--TTTATTTTATTTTATTTTAAACAAATATCATCTATCCAACTAATAATCCAA 7327
 QY 181 TGGCACTATCATGCTCAACCAAGCTCAACCTTCAAGGCTCAAGGTATCTTCCACTTC 240
 DB 7326 TAACTATCATATATCATCAACCAAGCTCAACCTTCAAACTCAATATATCTTCCACTTC 7267
 QY 241 AGCTCCCGATGATGAGGACTACAGGCACTTCCACACCCCTCACTAATTTTGTAGA 300
 DB 7266 AACCTCCGAT 7207
 QY 301 GACAAATTTTGGCATATGTTGTCAGGCTGGTCTTGAATCTTGGCTCAAGGATCCGAG 360
 DB 7206 AACAAATTTTACAT 7147
 QY 361 CACTCAAGCTCCCAAGGCTAGATATATAGGCTAGAGCACTGTGCTCCAGCTTACCTT 420
 DB 7146 CACTCAAGCTCCCAAGGCTAGATATATATATATATATATATATATATATATATATAT 7087
 QY 421 CAACGATATCATGCTATCTTAACTTTGAGATTTGGGCTATGTCACAACTTCTTTCG 480
 DB 7086 CAACGATATCATGCTATCTTAACTTTGAGATTTGGGCTATGTCACAACTTCTTTCG 7027
 QY 481 TTACTCAACATCTTGTCTTAAAGCACTAGCTTCTCTATAGTTAACTTTTAT 540
 DB 7026 TTACTCAACATCTTGTCTTAAAGCACTAGCTTCTCTATAGTTAACTTTTAT 6967
 QY 541 GAGTTTATCATCTGCTTATTTTCTTATCTCTATACCAAGATTGAATTTTCAAT 600
 DB 6966 AATTTTATCATCTTATTTTCTTATCTCTATACCAAGATTGAATTTTCAAT 6907
 QY 601 AAAGCACTCATGTTATCACTTTGAAATGAAAAAATGCTAGATTTGAAAG 660
 DB 6906 AAAGCACTCATGTTATCACTTTGAAATGAAAAAATGCTAGATTTGAAAG 6848
 QY 661 AAACCAATTTTATATATATTTGAAATGAAATAGTTATATTAACAACAGATCTAG 720
 DB 6847 AAACCAATTTTATATATATTTTAAATATATATATATATATTAACAACAGATCTTA 6788
 QY 721 GCCAGTGCAGTGCCTCATGCTGTATCCAGCAATTTGGAAATGAGTGGAGGAT 780
 DB 6787 ACCAAATATCAATATCATATCTATATATCCCAAACTTTAAAAATGAAATAAAAAAT 6728
 QY 781 TGGTTAGAGGCAAGGGTCAAGACAGGCTGGCAATGAGAGATTTCCCACTCTT 840
 DB 6727 TACTTAAACCAAAAAATTTCAAACTCAACCTTAAACATTAATAAATTTCCCACTCTT 6668
 QY 841 CTTT-----ACACACACACACACACACAAATATCTGATAGCAACAGTGCAG 894
 DB 6667 CTTTACACACACACACACACACACACACACAAATATCTATTAACAACAAATATCTA 6608
 QY 895 TCAATACCAATTTGAGTATGATGAGCTTAATATATTTGAGTTATCACCAAC 954
 DB 6607 TCAATACCAATTTGAGTATGATGAGCTTAATATATTTGAGTTATCACCAAC 6548
 QY 955 TGTAACTATCAAGAAAAGCTGTGATGATCTATTTGGCCCAAGAGTCAAGGATCTGCTA 1014
 DB 6547 TATTAATATCAATAAAAAGCTGTATATATCTATATATCAACCAAAATCAAAATCTA 6488
 QY 1015 ATACTCTGATTTGTAGT-AAATCATATATAAAGAAATGCTAGTTTCACTGTTAT 1073
 DB 6487 ATACTCTATATATTTATATCAATTCATATATATATATATATATATATATATATAT 6428

QY 1074 TTTGTCGGAGCGCTCTGTGAGACGGGAGGTTAGAACGCCCTTCCAGCCAGAGGATGAC 1133
 DB 6427 TTTATCCGACGATCTATATTAAGCAAAATTAAGAGCCGCTCCAAACCAAAAAATTAAC 6368
 QY 1134 CTAGCACTGACAGGATCCACTTGGGCAATCAATATATTTCCGAGGCGGGGCTGCGC 1193
 DB 6367 CTAGCACTGACAAATTCACCTTGAACCAATCAATATATTTCCGAAACGAAACCCG-AC 6309
 QY 1194 TTCCGAGCCGAGCTGCTCGAGGAGAGAGACACATTAAGATTGGGCGCGGCT 1253
 DB 6308 TTCCGAGCCGAGCTGCTCGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 6249
 QY 1254 GGTAGCTCATGCTGCTGATCCAGACCTTGGGAGGCTGAGGCGTGAGATGACTGTAG 1313
 DB 6248 AATTAACAATACCTTATATCCCAACATTCGAAAACTTAAAGTAAATATCAATATTA 6189
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 DB 6188 CAAAAATTTTAAACCAATCTTAACCAATCTTAACCAATCTTAACCAATCTTAACCAATCT 6129
 QY 1374 TTTAATTAAGCCATTGTGTGAGCGCTGTAGTCCAGCTACTGAGGAGCTGAGGTGG 1433
 DB 6128 TTTAATTAACCAATATATATTAACCGCTATATATCCCACTACTGAGAAAACTAATAATA 6069
 QY 1434 AGATGCTGAGGCTCAAGAGTTCCAGATCTGCACTGACGATGATGAGGCGCACTGACCTC 1493
 DB 6068 AAAAACTGCTAACTCAAAAAATTTCAAACTCAATTAACCATATATATACGACTTACCTC 6009
 QY 1494 AGCGGAGTGAAGCTAGTCTCAAAATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1553
 DB 6008 AAGCGATTAACCTCATCTCAAAATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 5949
 QY 1554 TGAATTAAGTAAAGCTTCTGAGGAGAGAACTCAAGAGGAGGAGGAGGAGGAGGAGGAG 1613
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 QY 1614 AAGACTATAGTCAAGCCCAAGCCCGCTGCGGCCCCAGGAGCAAGCGCGGAGAGCTCC 1673
 DB 5888 AAAAACTACTTCAACCAACCCCGCTGCAACCCCA-AAACAAGACGCAAAATCTCC 5830
 QY 1674 ACCGCGAGGCGCGCGGAACTCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1732
 DB 5829 ACCGCGAGGCGCGCGGAACTCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 5770
 QY 1733 CGCGCGCGTGAAGCGGCGGTTCCGT-GGCGTTCCGCGCGCGCGCGCGCGCGCGCGCG 1791
 DB 5769 CGCGCGCGTGAAGCGGCGGTTCCGTGAAGCGTTCCGCGCGCGCGCGCGCGCGCGCG 5710
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 DB 5709 AAAAAAGCATTAACCGATACGATATTCGATTAACGATCTTAACCGCTCAAAAACTAACA 5650
 QY 1850 CTGGGTGAGCGCACCGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1909
 DB 5649 CTAAATTAAGCGACCGGAAACGACGAAACGACGAAACGACGAAACGACGAAACGACG 5593
 QY 1910 GGCCTTCCGAGCTTTGGCGGAGCTTAAAGGAGATGCGGAGTCTTGGATTAAGCTTAT 1969
 DB 5592 AACTTCCGAACTTTAAAGCACTTAATAAAAAATTAAGCAATCTTGAATTAAGCTTAT 5533
 QY 1970 CGAGTCAAGTACCGCAAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 2029
 DB 5532 CGAATTCGAATTAAGCGCAAAACGAAACGCGCTTCTTCAAAAAATTAACAAGAAACATCC 5473
 QY 2030 AAGAACTGCTCGGATGCGCATCATGATGCGAGGAGGCGGCGGCGGCGGCGGCGGCG 2071
 DB 5472 AAAAACTGCTCGGATTAACATCATTAATTAACAATTAACAATTAACAATTAACAATTA 5431

Query Match	57.7%	Score 1203.2	DB 15	Length 10619
Best Local Similarity	76.8%	Pred. No. 4.6e-284		
Matches 1600	Conservative	0	Mismatches 463	Indels 19
				Gaps 10

Db	6847	AAACCAATTTTAACTAATTTTAAATTAATTTCTATATTAAACAACAAATCTAA	6788
Qy	721	GCACAGTCAGTGGCTCATGGCTGTAAATCCAGCAATTTGGAGTGCAGGTGGAGAT	780
Db	6787	ACCAAAATCAATTAATCTACTACTTAATATCCAAACAATTTAAABAAATCGAAATTAABAAAT	6728
Qy	781	TGCTTTAGAGCCCAAGGGGTTCAGAACCAAGCTTGGCAACATGCAGAGATTTCCCATCTTT	840
Db	6727	TACTTAAACCAAAATTCAAAAACCAACCTAAACAACATTAABAAAAATTCACATCTCTT	6668
Qy	841	CTTT-----ACACACACACACACACACACAAATATGTGATAGCAAGGCGAC	894
Db	6667	CTTTACACACACACACACACACACACACACAAATATTAATTAACACAAATACTA	6608
Qy	895	TCATTATCCAAATTTCGAGTAGTAGTGAAGCTTAATTAATTTTGAATTATCAACAAC	954
Db	6607	TCATTATCCAAATTTCGAATTAATTAATTAATTAATTAATTTTGAATTATCAACAAC	6548
Qy	955	TGTAACCTAACATGAAAAGCTGTGTGATGACTATTTCCCAAGATCAAGGTACTGTA	1014
Db	6547	TATTAATAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT	6488
Qy	1015	ATATCTCCGTGATTTGTAGT-AAATTCATTAATTAAGAAATGCTAGTTTCACTGTAT	1073
Db	6487	ATATCTCCGTAAATTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT	6428
Qy	1074	TTTGTCCGACGGCTGTGTGACAGGAGGTTAGAACGCCGTGCCAAGCAGAGGGTGAC	1133
Db	6427	TTTATCCGACGATCTATTAACGACAAATTAABAGCCCGTCCAAACCAAAAAATTAAC	6368
Qy	1134	CTAGACCTGACGGGTCCAAGTGTGGCCAACTAACTAATTTCCGAGGCGGGGCTGTGCG	1193
Db	6367	CTAACACTACAAAATCCACTCGAAGCAATCAATATTTCCGAAACGAAAAACCG-AC	6309
Qy	1194	TTCCCGGACCCAGCTGCCCTCAAGGGAAGAAGACACACTTAAGATTGGGGCGGGCT	1253
Db	6308	TTCCCGAACCCAACTACCTCAAAAAAAAACACACTTAATAATTTTAAAAACGACGT	6249
Qy	1254	GGTAGCTCATGCCCTGTATCCAGACACTTGGGAGGCTGAGGCGTGAAGATCACTTGTAG	1313
Db	6248	AATTAACATACCTCCCTAATCCCAACACTTCGAAAAAATCTTAAACGTAAATATCACTTA	6189
Qy	1314	CAGAGTTTGAAGCAAGTCTAAGCAACTTGGCGAGACCTGTGCTCCCTAAAAAATTTT	1373
Db	6188	CAAAAATTTTAAACCAATCTTAACCAACTTAACGAAACCTTATCCCTAAAAAATTTT	6129
Qy	1374	TTTAATTAAGCAGTTGTGTGAGGCGCTGTAGTCCCACTACTCGGAGGCTGAGGTGG	1433
Db	6128	TTTAATTAACCAATTAATTAATTAAGGCTTATATCCCACTACTCAAAAAATTAATAA	6069
Qy	1434	AGATTCGTGGGCTCAGGAGTTTCCAGATGTCAGTGAAGCAGATGTCGGCACTGCAC	1493
Db	6068	AAATTCGTAAATCTCAAAAAATTTCCAACTCAATTAACATTAATTAACACACTTAC	6009
Qy	1494	AGCGCGTGAAGTCAAGTCTCAAAAAATTAAGGGGAGGGGTGTGGGGTAAATTAAGTTG	1553
Db	6008	AAGCGATTAATCAATCTCAAAAAATTAABAAAAAATTAATAATTAATTAATTAATTA	5949
Qy	1554	TGAATCAAGTAAGCTTCTTGGGACAGACAAATTAAGGGGTGGCGCCGGGTCTCCAA	1613
Db	5948	TAAATCAATTAATTAATCTCTTAAACAAATTAATTAATTAATTAATTAATTAATTAAT	5889
Qy	1614	AGACTCTAGTCTAGGCGCAAGCCCGCTGGGCCCCAGGGGACGGCGCAGAGCTCC	1673
Db	5888	AAAATCTAATCTCAACCCCAACCCCGCTGACCCCA-AAACAAGACCGCAAAATCTC	5830
Qy	1674	ACCCGAGAGCGCCCGGAAAATCTCGCCCGCCGCGCGGACAGGCGCGCGC-CCGCGCGC	1732
Db	5829	ACCGGACAAAGCGCGGAAAATCTCGCCCGCCGCGCGGACAAAAAAAGCGCGCGCGCAC	5770
Qy	1733	CCGCGCGGAGCGCGGGTTCGT-GGCGTTCCGCGGCGACAGCATCAAGCATCTATCAG	1791

Db 6248 AATAACATATACCTTATCCCAACACTTCCAAAACTTAAACGTAAACCTTAAACCTTAAAT 6189
Qy 1314 CAGAGTTTGAAGACCACTTACCACTTGGCGAGACCCCTGTCCCTTAAAAAATTTTTT 1373
Db 6188 CAAAAATTTAAACCAATCTTACCACTTAAAGAAACCTTATCCCTTAAAAAATTTTTT 6129
Qy 1374 TTTAATAGCAAGTTGTGTGAGCGCTGTAGTCCAGCTACTCGGAGGCTGAGGTGG 1433
Db 6128 TTTAATTAACCAATTTAATTAATTAACCGCTTATTAATCCCACTTCTGAAAACTAATAATAA 6069
Qy 1434 AGGATCGCTGGGCTCAGAGGTTCCAGACTGAGTGAAGCCATGATGGGGGCACTGCTCC 1493
Db 6068 AAAATCGCTAACTCAAAATTCCAAACTAACAAATTAACAAAGACACTACCTCC 6009
Qy 1494 AGCGGCTGAGACTCAGTCTCAAAATTAATAAGGGGAGGGGTTGGGTTAAATTAAGTTG 1553
Db 6008 AACGGATTAATAACCTCAATCTCAAAAATTAATAAATTAATAAATTAATAATTA 5949
Qy 1554 TGAATCAAGTAAAGCTTCTGAGGAGAAACATCAAAAGGGTGGCGCGGCTCTTCAA 1613
Db 5948 TAAATCAATTAATACTCTTAAACAAACAAATCAAAATAAATTAACCGCATCTCCAA 5889
Qy 1614 AGAGCTACTAGCTCAGCCCAAGCCCGCTGCGCCCAAGGCGAGCGGCGGAGAGCTCC 1673
Db 5888 AAAATCTAATCACTCAACCAACCCCGCTGAGCCCA--AAACAGACCGCAAAATCTCC 5830
Qy 1674 ACCGCGAGGCGCGCGGAACTCCGCGCCCGCGCGGCGAGCGCGCG--CGCGCGGCG 1732
Db 5829 ACCGAGCAAAACCGCGGAAATCTCCGCGCCCGCGAGCAAAACCGCGCGCGAGCC 5770
Qy 1733 CCGCGCGTGAAGCGCGGCTTCCGT--GCGCTTCCCGCGCGAGGCGAGCATGATCTACG 1791
Db 5769 CCGCGCGTGAAGCGCGGCTTCCGT--GCGCTTCCCGCGAGGCGAGCATGATCTACG 5710
Qy 1792 GGAACGCGGCTGCGCGGCTGCGGCTTCCGT--GCGCTTCCCGCGAGGCGAGCATGATCTACG 1849
Db 5709 AAAACGAGTAACCGATGAGCACTATTCATTAACGCTCAACCGCTCAAAATCTACGA 5650
Qy 1850 CTGGGTGAGGCGACGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1909
Db 5649 CTAATTAAGGCGAGCGGCAAAACGAGCAAAACGAGCA--CGATTTCTAATATGTAACGTG 5593
Qy 1910 GCGCTTCCGAGCTTGTGCGGAGCTAGGGGAGATGCGAGATCTTCCGATTAAGCTTAT 1969
Db 5592 AACTTCGAAACTTTAAGCACTAATAAATAAATAAATAAATAAATAAATAAATAAATAA 5533
Qy 1970 CGAGTGAAGTACGCAAGCGGCGCGGCTCTTCAAGAAATGACGAGAGCATCC 2029
Db 5532 CGAATCAATACGCAAAACGAGCGGCTCTTAATAAATAAATAAATAAATAAATAAATAA 5473
Qy 2030 AAGGACTCGCTCCGAGTGCATCATGTGCAAGTGGGGCC 2071
Db 5472 AAAAATCGCTCGAATTAACCATTAATTAATAATACGAAC 5431

RESULT 9
US-10-240-589C-2/c
; Sequence 2, Application US/10240589C
; Publication No. US20040076956A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; FILE REFERENCE: 5013.1008
; CURRENT APPLICATION NUMBER: US/10/240.589C
; PRIOR FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03972
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06

; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 148
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: chemically created genomic DNA (Homo sapiens)
US-10-240-589C-2

Query Match 57.7%; Score 1203.2; DB 18; Length 10619;
Best Local Similarity 76.8%; Pred. No. 4.6e-284; Indels 19; Gaps 10;
Matches 1600; Conservative 0; Mismatches 463

Qy 1 TTTAGGATGATATAGTTGTCAACCCAGAGATGGCATGATGACCTTTGACTTGATCA 60
Db 7504 TTTAAATAATCA 7445
Qy 61 TTCTCTAAGTAAACCTTTATTTTGTTCATCATATTTTCCACTTATTTGTTTACTTCA 120
Db 7444 TTCTCTAATCA 7385
Qy 121 AAATATCTTTTTTTTTTTTTTTTGAAGAGGCTGACAGCTGTGACCCAGGCTAGTCCAG 180
Db 7384 AAATATCT--TTTTTTTTTTTTTTTAAACAAATATACATATCCCAAACTTAATAATCCAA 7327
Qy 181 TGCACTATCATGCTCACCACAGCTCAACCTTCAAGGCTCAGGTGATCTCCACTTC 240
Db 7326 TAAACATCA 7267
Qy 241 AGCTTCCGAGTATGATGGAATAGAGCACTGACCAACCCAGCTAATTTTGTAGA 300
Db 7266 AACCTCCGAGTAT 7207
Qy 301 GAAAGTTTTTGGCATGTTGTGTCAGGCTGCTGTAAGCTCTGAGGCTCAAGGATCCGCG 360
Db 7206 AAAAAATTTTACAT 7147
Qy 361 CACTCAGCTCCCAAGTGTAGATTAATAGGATGAGCACTGTGCCAGCTACTT 420
Db 7146 CACTCAGCTCCCAAGTGTAGATTAATAGGATGAGCACTGTGCCAGCTACTT 7087
Qy 421 CAAGTATCTAATCTGTTACTAACTTTTGAAGATGGGCTATGTCAACCTTCTGCG 480
Db 7086 CAAGTATCTAATCTAATCTAATCTTTTAAATTTGAACCTATGTCAACCTTCTGCG 7027
Qy 481 TTAATCAATCTTGTCTTAAAGCACTAGTCTTCTCTATGTTAAACATTTTAT 540
Db 7026 TTAATCAATCTTGTCTTAAAGCACTAGTCTTCTCTATGTTAAACATTTTAT 6967
Qy 541 GAGTTTATTCATCTGCTATTTTCTTATTCCTTATTCCTTATTCCTTATTCCTTATTCCTTAT 600
Db 6966 AAATTTATTCATCTGCTATTTTCTTATTCCTTATTCCTTATTCCTTATTCCTTATTCCTTAT 6907
Qy 601 AAAGCACTCATGTTTAACTTTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 660
Db 6906 AAAGCACTCATGTTTAACTTTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 6848
Qy 661 AAACCAATTTTAACTATATATTTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 720
Db 6847 AAACCAATTTTAACTATATATTTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 6788
Qy 721 GCGAGTGAAGTGCATGCTGATATCCAGCAATTTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 780
Db 6787 ACBAATTAAT 6728
Qy 781 TGCTTGAAGCGAGGCTTCAAGACGAGCTGGCAACATGAGAGATTTCCCATCTCTT 840

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Dh 6727 TACTAAACCAAAATTCAAAACCAACTAAACATATAAAAAATTCCTCTTT 6668
Qy 841 CTTT-----ACACACACACACACACACACAAAATATCTGATGACAGGTGAC 894
Dh 6667 CTTTACACACACACACACACACACACACACACACACACACACACACACACAC 6608
Qy 895 TCATTAACCAATTTTCAGATGATGATGATGATGATGATGATGATGATGATGAT 954
Dh 6607 TCATTAACCAATTTTCAGATGATGATGATGATGATGATGATGATGATGATGAT 6548
Qy 955 TGTAACTACATGAAAACCTCTGTGATGATGATGATGATGATGATGATGATGAT 1014
Dh 6547 TATTAATAATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 6488
Qy 1015 ATACTCTGATTTTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1073
Dh 6487 ATACTCTGATTTTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 6428
Qy 1074 TTTGTCGACGATCTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1133
Dh 6427 TTTATCCGACGATCTGTGATGATGATGATGATGATGATGATGATGATGATGAT 6368
Qy 1134 CTAGCACTGACGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1193
Dh 6367 CTAAACCTACCAATTCACCTGATGATGATGATGATGATGATGATGATGATGAT 6309
Qy 1194 TTTCCGACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1253
Dh 6308 TTTCCGACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 6249
Qy 1254 GGTAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1313
Dh 6248 AATTAACATATCCCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 6189
Qy 1314 CAGAGCTTACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1373
Dh 6188 CAAATTTTAAATTCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 6129
Qy 1374 TTTAATTTAGCAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1433
Dh 6128 TTTAATTTAGCAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 6069
Qy 1434 AGGATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1493
Dh 6068 AATATGCTAATCTCAAAATTCCAAACTACATTAATTAATTAATTAATTAATTA 6009
Qy 1494 AGGCGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1553
Dh 6008 AAGCGATTAATCTCAATCTCAAAATTAATTAATTAATTAATTAATTAATTAATTA 5949
Qy 1554 TGAATCAATGAATCTTCTGAGGACAGACATCAAAAGGGGTGAGCGCGGATCTTCAA 1613
Dh 5948 TAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 5889
Qy 1614 AGAGCTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1673
Dh 5888 AAAATCTAATCTCAATCTCAAAATTCGACCTGACCTGACCTGACCTGACCTGAC 5830
Qy 1674 ACCGCGAGGCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1732
Dh 5829 ACCGCGAGGCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 5770
Qy 1733 CCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1791
Dh 5769 CCGCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 5710
Qy 1792 GGAACGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1849
Dh 5709 AAAACGAGATTAATCCGATGATGATGATGATGATGATGATGATGATGATGATGAT 5650
Qy 1850 CTGAGGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1909
Dh 5649 CTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 5593
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Qy 1910 GGGTTCGAGGCTTTGGCGGACCTAGGAGAGATGCGGAGCTTTGGATAGCTAT 1969
Dh 5592 AACTTCGGAATTTTAAGACACATTAATAAATAAATAAATAAATAAATAAATAAATAA 5533
Qy 1970 CGAGTCGAGTACGCCAAGAGCGCGCGCTTTGCAAGAAATGACGAGCATCCCG 2029
Dh 5532 CGAATCGATATAGCCAAAACCAACGCGCTTTCAAAAATAATTAACAAACATCCCG 5473
Qy 2030 AAGAGCTGCTCGGATGCGCATGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2071
Dh 5472 AAAAATCGCTCGAATTAACATTAATTAATTAATTAATTAATTAATTAATTAATTA 5431

RESULT 10
US-10-027-632-154183
; Sequence 154183, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 154183
; LENGTH: 844
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-154183

Query Match 33.5%; Score 699.4; DB 13; Length 844;
Best Local Similarity 96.6%; Pred. No. 5.3e-161;
Matches 822; Conservative 1; Mismatches 12; Indels 16; Gaps 10;

Qy 1207 CTGCCCTCAGGGGAGAGGAGACACCTTAAGGTTTGGGGCCGGGTGATGCTATGCC 1266
Dh 1 CTGCCCTCAGGGGAGAGGAGACACCTTAAGGTTTGGGGCCGGGTGATGCTATGCC 60
Qy 1267 CCTGATCCAGACCTTCCGGAAGCTGAGCGCTGAAGATCACTTGTAGCAGAGTTTGAGA 1326
Dh 61 CCTGATCCAGACCTTCCGGAAGCTGAGCGCTGAAGATCACTTGTAGCAGAGTTTGAGA 120
Qy 1327 CCAATGTCAGCAATCTTGGGAGACCTTGTCTCTAATAAATAATTTTAAATTAAGCCAG 1386
Dh 121 CCAATGTCAGCAATCTTGGGAGACCTTGTCTCTAATAAATAATTTTAAATTAAGCCAG 180
Qy 1387 TTGTGTGAGGCGCTGTGATCCCACTACTCGGAGGCGTGAAGTGGAGGAGATCGCTGGGC 1446
Dh 181 TTGTGTGAGGCGCTGTGATCCCACTACTCGGAGGCGTGAAGTGGAGGAGATCGCTGGGC 240
Qy 1447 TCAGAGATTCAGACCTGACGATGATGATGATGATGATGATGATGATGATGATGATGAT 1506
Dh 241 TCAGAGATTCAGACCTGACGATGATGATGATGATGATGATGATGATGATGATGATGAT 300
Qy 1507 TCAATCTCAAAATAAAGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1566
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Db 301 TCAGCTCAAAAATTAAGGGGGAGGGGTTGGGGTAAATTAAGTGAATCAAGTAA 360
Qy 1567 GACTTCTGGGAGACAAATCAAGGGGTTGGCGCCGGGTCCTTCAAGAGCTACTAGCT 1626
Db 361 GACTTCTGGGAGACAAATCAAGGGGTTGGCGCCGGGTCCTTCAAGAGCTACTAGCT 420
Qy 1627 CAGCCCAAGCCCGCTCGGCCCCCAGAGGCGAGCGG-CGCGAGAGCTTCAACCCGAGGCG 1685
Db 421 CAGCCCAAGCCCGCTCGGCCCCCAGAGGCGAGCGGCGCGAGCTCAACCCGAGGCG 480
Qy 1686 CCGGGGAACTCCGCCCCCGCGCGAGGCGGCGCCG---CGCGCGGCCCCCGCGG 1742
Db 481 CCGGGGAACTCCGCCCCCGCGCGAGGCGGCGCGCGCGCGCGCGCGCGCGCGCG 540
Qy 1743 GAGCGGAGTCCGT-GGCGTTCCCGCGCGAGGAGCATAGCAATCTATCAGGAAAGCGCG 1801
Db 541 GAGCGGAGTCCGTGGGCGGTTCCCGCGCGAGGAGCATAGCAATCTATCAGGAAAGCGCG 600
Qy 1802 TGGCGGAGTCCGTGGTTCGGTG--CGCTTGCGCGCTCAGCGG-TGGCGGCTGGGAG 1858
Db 601 TGGCGGAGTCCGTGGTTCGGTG--CGCTTGCGCGCTCAGCGGCGCGCGCTGGGAG 660
Qy 1859 CGCAGCGGAGCGGCGGCGGCGGAGCGGTGTTTCTAGGTCTGGGCGTGGGCTTCGG 1918
Db 661 CGCAGCGGAGCGGCGGCGGCGGAGCGGTGTTTCTAGGTCTGGGCGTGGGCTTCGG 716
Qy 1919 AGCTTTGGCGGAGCTAGGGGAGGATGGCGGAGTCTTGGATTAAGTCTATCGAGTGA 1978
Db 717 AGCTTTGGCGGAGCTAGGGGAGGATGGCGGAGTCTTGGATTAAGTCTATCGAGTGA 775
Qy 1979 TAGCCCAAGCGGCGGCGGCTTTCGAGAAATGAGGAGGAGCATCCCAAGAGTCTG 2038
Db 776 TAGCCCAAGCGGCGGCGGCTTTCGAGAAATGAGGAGGAGCATCCCAAGAGTCTG 832
Qy 2039 CTCGGATGCG 2049
Db 833 CTCGGATGCG 843

RESULT 11
US-10-027-632-154183
; Sequence 154183, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154183
; LENGTH: 844
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-154183

Query Match 33.5%; Score 699.4; DB 17; Length 844;

Best Local Similarity 96.6%; Pred. No. 5,3e-161;
Matches 822; Conservative 1; Mismatches 12; Indels 16; Gaps 10;
Qy 1207 CTGCGCTCAGGGGAGAGAGACACACTTAAGATTTGGGGCGCGGTGAGTCAATGCC 1266
Db 1 CTGCGCTCAGGGGAGAGAGACACACTTAAGATTTGGGGCGCGGTGAGTCAATGCC 60
Qy 1267 CCGATCCAGAGCACTTCGAGAGGCTGAGGCGTGAAGATCACTTGTAGCAGAGATTGAGA 1326
Db 61 CCGATCCAGAGCACTTCGAGAGGCTGAGGCGTGAAGATCACTTGTAGCAGAGATTGAGA 120
Qy 1327 CCGATCCAGAGCACTTCGAGAGGCTGAGGCGTGAAGATCACTTGTAGCAGAGATTGAGA 1386
Db 121 CCGATCCAGAGCACTTCGAGAGGCTGAGGCGTGAAGATCACTTGTAGCAGAGATTGAGA 180
Qy 1387 TTGATGAGAGCGCTGATGATCCAGTACTCTGGGAGGCTGAGGCTGAGGAGATGCGTGGC 1446
Db 181 TTGATGAGAGCGCTGATGATCCAGTACTCTGGGAGGCTGAGGCTGAGGAGATGCGTGGC 240
Qy 1447 TCAGAGATTCAGAGTCAAGTGAAGGATGATGAGGAGCTGAGTCACTCAGCGCGGTGAG 1506
Db 241 TCAGAGATTCAGAGTCAAGTGAAGGATGATGAGGAGCTGAGTCACTCAGCGCGGTGAG 300
Qy 1507 TCAGTCTCAAAAATTAAGGGGAGGGGTTGGGGTAAATTAAGTGAATCAAGTAA 1566
Db 301 TCAGTCTCAAAAATTAAGGGGAGGGGTTGGGGTAAATTAAGTGAATCAAGTAA 360
Qy 1567 GACTTCTGGGAGACAAATCAAGGGGTTGGCGCCGGGTCCTTCAAGAGCTACTAGCT 1626
Db 361 GACTTCTGGGAGACAAATCAAGGGGTTGGCGCCGGGTCCTTCAAGAGCTACTAGCT 420
Qy 1627 CAGCCCAAGCCCGCTCGGCCCCCAGAGGCGAGCGG-CGCGAGAGCTTCAACCCGAGGCG 1685
Db 421 CAGCCCAAGCCCGCTCGGCCCCCAGAGGCGAGCGGCGCGAGCTTCAACCCGAGGCG 480
Qy 1686 CCGGGGAACTCCGCCCCCGCGCGAGGCGGCGCGG---CGCGCGGCCCCCGCGG 1742
Db 481 CCGGGGAACTCCGCCCCCGCGCGAGGCGGCGCGCGCGCGCGCGCGCGCGCGCG 540
Qy 1743 GAGCGGAGTCCGT-GGCGTTCCCGCGCGAGGAGCATAGCAATCTATCAGGAAAGCGCG 1801
Db 541 GAGCGGAGTCCGTGGGCGGTTCCCGCGCGAGGAGCATAGCAATCTATCAGGAAAGCGCG 600
Qy 1802 TGGCGGAGTCCGTGGTTCGGTG--CGCTTGCGCGCTCAGCGG-TGGCGGCTGGGAG 1858
Db 601 TGGCGGAGTCCGTGGTTCGGTG--CGCTTGCGCGCTCAGCGGCGCGCGCTGGGAG 660
Qy 1859 CGCAGCGGAGCGGCGGCGGCGGAGCGGTGTTTCTAGGTCTGGGCGTGGGCTTCGG 1918
Db 661 CGCAGCGGAGCGGCGGCGGCGGAGCGGTGTTTCTAGGTCTGGGCGTGGGCTTCGG 716
Qy 1919 AGCTTTGGCGGAGCTAGGGGAGGATGGCGGAGTCTTGGATTAAGTCTATCGAGTGA 1978
Db 717 AGCTTTGGCGGAGCTAGGGGAGGATGGCGGAGTCTTGGATTAAGTCTATCGAGTGA 775
Qy 1979 TAGCCCAAGCGGCGGCGGCTTTCGAGAAATGAGGAGGAGCATCCCAAGAGTCTG 2038
Db 776 TAGCCCAAGCGGCGGCGGCTTTCGAGAAATGAGGAGGAGCATCCCAAGAGTCTG 832
Qy 2039 CTCGGATGCG 2049
Db 833 CTCGGATGCG 843

RESULT 12
US-09-960-253-107
; Sequence 107, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY


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QY      1842  CGTGGCGGCTGGGTGACCGCACGCGAGCGCGAGCGGCAAGCGTGTGTTCTAGGTCG 1901
          |||
          61  CCGTGGCGGCTGGGTGACCGCACGCGAGCGCGAGCGGCAAGC--GTGTTTCTAGGTCG 118
          |||
QY      1902  TGGGCTGGGCTTCCCGAGCTTTTGGCCGACGCTTAGGGAGAGATGGCCGAGTCTTCGATA 1961
          |||
          Db  119  TGGGCTGGGCTTCCCGAGCTTTTGGCCGACGCTTAGGGAGAGATGGCCGAGTCTTCGATA 178
          |||
QY      1962  AGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGCGCTCTTGCAAGAAATGCAGCGAGA 2021
          |||
          Db  179  AGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGCGCTCTTGCAAGAAATGCAGCGAGA 238
          |||
QY      2022  GCATCCCCAAGAGACTCGCTCCGATGGCCATCATGTGCAAGTGC 2066
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          Db  239  GCATCCCCAAGAGACTCGCTCCGATGGCCATCATGTGCAAGTGC 283
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RESULT 15

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US-10-163-587A-3
; Sequence 3, Application US/10163587A
; Publication No. US20030096263A1
; GENERAL INFORMATION:
; APPLICANT: Oliveira, Marcos
; TITLE OF INVENTION: SELECTIVE PARP-1 TARGETING FOR DESIGNING CHEMO/RADIO SENSITIZING
; FILE REFERENCE: 50229-306
; CURRENT APPLICATION NUMBER: US/10/163,587A
; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 60/296,110
; PRIOR FILING DATE: 2001-06-07
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 3859
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (160)..(3204)
; OTHER INFORMATION:
US-10-163-587A-3
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Query Match      12.5%; Score 261.4; DB 14; Length 3859;
Best Local Similarity 97.2%; Pred. No. 3.8e-53;
Matches 277; Conservative 0; Mismatches 6; Indels 2; Gaps 1;
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```
QY      1782  AATCTATCAGAGGAACGGCGGTGGCGGCTGTTCCGTGCGCTCTGCGCGCTCAGC 1841
          |||
          Db  1  AATCTATCAGAGGAACGGCGGTGGCGGCTGTTCCGTGCGCTCTGCGCGCTCAGC 60
          |||
QY      1842  CGTGGCGGCTGGGTGACCGCACGCGAGCGCGAGCGGCAAGCGTGTGTTCTAGGTCG 1901
          |||
          Db  61  CCGTGGCGGCTGGGTGACCGCACGCGAGCGCGAGCGGCAAGC--GTGTTTCTAGGTCG 118
          |||
QY      1902  TGGGCTGGGCTTCCCGAGCTTTTGGCCGACGCTTAGGGAGAGATGGCCGAGTCTTCGATA 1961
          |||
          Db  119  TGGGCTGGGCTTCCCGAGCTTTTGGCCGACGCTTAGGGAGAGATGGCCGAGTCTTCGATA 178
          |||
QY      1962  AGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGCGCTCTTGCAAGAAATGCAGCGAGA 2021
          |||
          Db  179  AGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGCGCTCTTGCAAGAAATGCAGCGAGA 238
          |||
QY      2022  GCATCCCCAAGAGACTCGCTCCGATGGCCATCATGTGCAAGTGC 2066
          |||
          Db  239  GCATCCCCAAGAGACTCGCTCCGATGGCCATCATGTGCAAGTGC 283
          |||
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Search completed: September 2, 2005, 03:53:59
Job time : 2210.31 secs

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```

;      TOPOLOGY:  linear
;      MOLECULE TYPE:  DNA (genomic)
US-08-222-177A-451

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Query Match      100.0%; Score 24; DB 1; Length 28;
Best Local Similarity 100.0%; Pred. No 0.27;
Matches 24; Conservative 0; Mismatches 0; Gaps 0;
```

Qy		1 CACACACACACACACACACA	24
Db		2 CACACACACACACACACACA	25

RESULT 8
US-08-455-627-25
; Sequence 25, Application US/08455627

```

; GENERAL INFORMATION:
;
; APPLICANT: Sergei M. Gilyazov
;
; TITLE OF INVENTION: Convergent Synthesis of Branched and Multiply-
;
; TITLE OF INVENTION: Connected Macromolecular Structures
;
; NUMBER OF CO-INVENTORS: 06

```

ADDRESSEE: Cooley Godward LLP
STREET: Five Palo Alto Square, 3000 El Camino Real
CITY: Palo Alto

```

; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy
;
```

```

: SOFTWARE: PatentIn Release #1.0, Version #1.25
:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/455,627
:

```

ATTORNEY/AGENT INFORMATION:
NAME: Nakamura, Jackie N.
REGISTRATION NUMBER: 35,966

TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-843-5000
TELEFAX: 415-857-0663
INFORMATION FOR SEO ID NO. 35:

```

; LENGTH: 29 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; MODIFICATIONS:

```

US-08-455-627-25
Query match

[illegible]

RESULT 9
US-08-222-177A-80

! FACILIT. NO. 5582915
! GENERAL INFORMATION:
! APPLICANT: Weber, James L.
! TITLE OF INVENTION: METHOD OF

TITLE OF INVENTION: (G-Q)H SEQUENCES AND METHODS OF USING SAME
 NUMBER OF SEQUENCES: 460
 CORRESPONDENCE ADDRESS:

```

;
; ADDRESS: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
;

```

; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/222,177A
 FILING DATE:
 CLASSIFICATION: A35

; APPLICATION NUMBER: US 07/341,562
 ; FILING DATE: 21-APR-1989
 ; ATTORNEY/AGENT INFORMATION:

REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100

```

; INFORMATION FOR SEQ ID NO: 80:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs

```

```

1  ORGANISM:  Homo sapiens
2  ORGANISM:  Homo sapiens
3  TOPOLOGY:  linear
4  MOLECULE TYPE:  DNA (genomic)
5  IMMEDIATE SOURCE:

```

US-08-222-17/A-80
Query Match
Post 10001 84mi

[illegible]

RESULT 10
US-08-222-177A-238

GENERAL INFORMATION:
APPLICANT: Weber, James L.
TITLE OF INVENTION: LENGTH POLYMORPHISMS IN

CORRESPONDENCE ADDRESS:
ADDRESSEE: Dewitt Ross & Stevens, S.C.
STREET: 8000 Excelsior Drive, Suite 401

COUNTRY: USA
ZIP: 53717-1914

```
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
***** INFORMATION DATA *****
```

```

; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:

```

APPLICATION NUMBER: US 07/341,562


```

1      NUMBER OF SEQUENCES: 460
2      CORRESPONDENCE ADDRESS:
3      ADDRESSEE: Dewitt Ross & Stevens, S.C.
4      STREET: 8000 Excelsior Drive, Suite 401
5      CITY: Madison
6      STATE: Wisconsin
7      COUNTRY: USA
8      ZIP: 53717-1914
9      COMPUTER READABLE FORM:
10     MEDIUM TYPE: Floppy disk
11     COMPUTER: IBM PC compatible
12     OPERATING SYSTEM: PC-DOS/MS-DOS
13     SOFTWARE: PatentIn Release #1.0, Version #1.25
14     CURRENT APPLICATION DATA:
15     APPLICATION NUMBER: US/08/222,177A
16     FILING DATE:
17     CLASSIFICATION: 435
18     PRIOR APPLICATION DATA:
19     APPLICATION NUMBER: US 07/341,562
20     FILING DATE: 21-APR-1989
21     ATTORNEY/AGENT INFORMATION:
22     NAME: Sara, Charles S.
23     REGISTRATION NUMBER: 30,492
24     REFERENCE/DOCKET NUMBER: 09865.601
25     TELECOMMUNICATION INFORMATION:
26     TELEPHONE: (608) 831-2100
27     TELEFAX: (608) 831-2106
28     TELEX:
29     INFORMATION FOR SEQ ID NO: 215:
30     SEQUENCE CHARACTERISTICS:
31     LENGTH: 31 base pairs
32     TYPE: nucleic acid
33     STRANDEDNESS: double
34     TOPOLOGY: linear
35     MOLECULE TYPE: DNA (genomic)
36     IMMEDIATE SOURCE:
37     CLONE: mfd57ts
38     US-08-222-177A-215

```

```

Query Match Similarity      100.0%; Score 24; DB 1; Length 31;
Best Local Similarity      100.0%; Pred. No. 0.27;
Matches    24; Conservative    0; Mismatches    0; Indels    0; Gaps    0;

QY          1 CACACACACACACACACACACACA 24
            |||||
Db           1 CACACACACACACACACACACACA 24

RESULT 14
US-08-222-177A-235
: Sequence 235, Application US/08222177A
: Patent No. 5582979
: GENERAL INFORMATION:
  APPLICANT: Weber, James L.
  TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
  TITLE OF INVENTION: (dc-da)n..(dg-dt)n SEQUENCES AND METHODS OF USING SAME
  NUMBER OF SEQUENCES: 460
  CORRESPONDENCE ADDRESS:
  ADDRESSEE: Dewitt Ross & Stevens, S.C.
  STREET: 8000 Excelsior Drive, Suite 401
  CITY: Madison
  STATE: Wisconsin
  COUNTRY: USA
  ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435

```

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/341,562
 FILING DATE: 21-APR-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Sait, Charles S.
 REGISTRATION NUMBER: 30,492
 REFERENCE/DOCKET NUMBER: 09865.6010
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (608) 831-2100
 TELEFAX: (608) 831-2106
 TELEX:
 INFORMATION FOR SEQ ID NO: 235:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 31 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 IMMEDIATE SOURCE:
 CLONE: mfa64t8
 US-08-222-177A-235

	Query Match	Similarity	100.0%	Score 24	DB 1	Length 31
	Best Local	Similarity	100.0%	Pred. No.	0 27	
	Matches	24	Conservative	0	Mismatches	0
					Indels	0
					Gaps	0
Oy	1 CACACACACACACACACACACA	24				
Dd	2 CACACACACACACACACACACA	25				

```

1      RESULT 15
2      US-08-222-177A-271
3      Sequence 271, Application US/08222177A
4      Patent No. 5582379
5      GENERAL INFORMATION:
6      APPLICANT: Weber, James L.
7      TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
8      TITLE OF INVENTION: (dc-da)n.(dg-dt)n SEQUENCES AND METHODS OF USING SAME
9      NUMBER OF SEQUENCES: 460
10     CORRESPONDENCE ADDRESS:
11     ADDRESSEE: Demitt Ross & Stevens, S.C.
12     STREET: 8000 Excelsior Drive, Suite 401
13     CITY: Madison
14     STATE: Wisconsin
15     COUNTRY: USA
16     ZIP: 53717-1914
17     COMPUTER READABLE FORM:
18     MEDIUM TYPE: Floppy disk
19     COMPUTER: IBM PC compatible
20     OPERATING SYSTEM: PC-DOS/MS-DOS
21     SOFTWARE: Patentln Release #1.0, Version #1.25
22     CURRENT APPLICATION DATA:
23     APPLICATION NUMBER: US/08/222,177A
24     FILING DATE:
25     CLASSIFICATION: 435
26     PRIOR APPLICATION DATA:
27     APPLICATION NUMBER: US 07/341,562
28     FILING DATE: 21-APR-1989
29     ATTORNEY/AGENT INFORMATION:
30     NAME: Sara, Charles S.
31     REGISTRATION NUMBER: 30,492
32     REFERENCE/DOCKET NUMBER: 09865.601
33     TELECOMMUNICATION INFORMATION:
34     TELEPHONE: (608) 831-2100
35     TELEFAX: (608) 831-2106
36     TELEX:
37     INFORMATION FOR SEQ ID NO: 271:
38     SEQUENCE CHARACTERISTICS:
39     LENGTH: 31 base pairs
40     TYPE: nucleic acid
41     STRANDEDNESS: double
42     TOPOLOGY: linear
43

```

; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mcd79rs
US-08-222-177A-271

Query Match 100.0%; Score 24; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 0.27;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CACACACACACACACACACACA 24
|||
Db 2 CACACACACACACACACACACA 25

Search completed: September 1, 2005, 20:41:08
Job time : 6.11385 secs

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? PRIOR APPLICATION NUMBER: US 60/255,534
? PRIOR FILING DATE: 2000-12-14
? NUMBER OF SEQ ID NOS: 1093
? SOFTWARE: SeqSeq for Windows Version 3.0
? SEQ ID NO 1068
? LENGTH: 24
? TYPE: DNA
? ORGANISM: Artificial Sequence
? FEATURE:
? OTHER INFORMATION: Synthetic Sequence
US-10-017-995-1068

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	Query Match	100.0%;	Score 24;	DB 14;	Length 24;
	Best Local Similarity	100.0%;	Pred. No. 0.47;		
Matches	24; Conservative	0;	Mismatches	0;	Gaps 0;
QY	1 CACACACACACACACACACA	24			
Db	24 CACACACACACACACACACA	1			

```

US-10-314-578-1068/c
: Sequence 1068, Application US/10314578
: Publication No. US20030212026A1
: GENERAL INFORMATION:
: APPLICANT: Kriegl, Arthur M.
: APPLICANT: Schetter, Christian
: APPLICANT: Vollmer, Jorg
: TITLE OR INVENTION: Immunostimulatory Nucleic Acids
: FILE REFERENCE: C1039/7035 (HCL/MAT)
: CURRENT FILING DATE: 2002-12-09
: PRIOR APPLICATION NUMBER: US/10/314,578
: PRIOR FILING DATE: 1999-09-25
: PRIOR APPLICATION NUMBER: US 60/156,113
: PRIOR FILING DATE: 1999-09-27
: PRIOR APPLICATION NUMBER: US 60/227,436
: PRIOR FILING DATE: 2000-08-23
: NUMBER OF SEQ ID NOS: 1145
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 1068
: LENGTH: 24
: TYPE: DNA
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Synthetic Sequence
US-10-314-578-1068

```

Query Match	100.0%	Score 24;	DB 17;	length 24;
Best Local Similarity	100.0%	Pred. No.	0.47;	
Matches	24;	Conservative	0;	Mismatches 0;
				Indels 0;
				Gaps 0;

Dy 1 CACACACACACACACACACA 24
|||
Ddb 24 CACACACACACACACACACA 1

RESULT 8
US-10-831-778-1068/c
Sequence 1068, Application US/10831778
Publication No. US20040235774A1
GENERAL INFORMATION:
APPLICANT: Bretzler, Robert L.
APPLICANT: Petersen, Deanna M.
APPLICANT: Fourn, Yves
TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
Treatment of Asthma and Allergy
FILE REFERENCE: C1037/7013 (HCL/MAT)
CURRENT APPLICATION NUMBER: US/10/831,778
CURRENT FILING DATE: 2004-04-23
PRIORITY APPLICATION NUMBER: US 60/179,991
PRIORITY FILING DATE: 2000-02-03

```

;
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0.
; SEQ ID NO 1068
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-10-831-778-1068
```

```

Qy      1 CACACACACACACACACACACA 24
        ||||||||||||||||
Db      24 CACACACACACACACACACACA 1
        ||||||||||||||||

Query Match      100.0%; Score 24; DB 20; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.47;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

RESULT 9
US-09-735-363A-1/C
Sequence 1, Application US/09735363A
Patent No. US20010041681A1
GENERAL INFORMATION:
APPLICANT: Filion, Mario
APPLICANT: Phillip, Nigel
TITLE OF INVENTION: Therapeutically Useful Synthetic Oligonucleotides
FILE REFERENCE: 02811-1081
CURRENT APPLICATION NUMBER: US/09/735,363A
CURRENT FILING DATE: 2000-12-12
PRIOR APPLICATION NUMBER: 60/170,325
PRIOR FILING DATE: 1999-12-13
PRIOR APPLICATION NUMBER: 60/228,925
PRIOR FILING DATE: 2000-06-29
NUMBER OF SEQ ID NOS: 87
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 27
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Oligonucleotide
US-09-735-363A-1

```

Query Match	100.0%	Score 24;	DB 9;	Length 27;
Best Local Similarity	100.0%	Pred. No. 0.47;		
Matches 24;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	CACACACACACACACACACA	24
Db	27	CACACACACACACACACACA	4

```

RESULT 10
US-09-735-363A-5/c
Sequence 5, Application US/09735363A
Patent No. US20010041681A1
GENERAL INFORMATION:
APPLICANT: Filion, Mario
APPLICANT: Philip, Nigel
TITLE OF INVENTION: Therapeutically Useful Synthetic Oligonucleotides
FILE REFERENCE: 02811-0181
CURRENT APPLICATION NUMBER: US/09/735,363A
CURRENT FILING DATE: 2000-12-12
PRIOR APPLICATION NUMBER: 60/170,325
PRIOR FILING DATE: 1999-12-13
PRIOR APPLICATION NUMBER: 60/228,925
PRIOR FILING DATE: 2000-08-29
NUMBER OF SEQ ID NOS: 87
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5
LENGTH: 27
TYPE: DNA

```

ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Oligonucleotide
US-09-735-363A-5

Query Match 100.0%; Score 24; DB 9; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.47;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
DB 26 CACACACACACACACACACACA 3

RESULT 11
US-09-735-363A-66/c
Sequence 66, Application US/09735363A
Patent No. US20010041681A1
GENERAL INFORMATION:
APPLICANT: Fillion, Mario
APPLICANT: Phillips, Nigel
TITLE OF INVENTION: Therapeutically Useful Synthetic Oligonucleotides
FILE REFERENCE: 02811-0181
CURRENT APPLICATION NUMBER: US/09/735,363A
CURRENT FILING DATE: 2000-12-12
PRIOR APPLICATION NUMBER: 60/170,325
PRIOR FILING DATE: 1999-12-13
PRIOR APPLICATION NUMBER: 60/228,925
PRIOR FILING DATE: 2000-08-29
NUMBER OF SEQ ID NOS: 87
SOFTWARE: PatentIn version 3.0
SEQ ID NO 66
LENGTH: 27
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Oligonucleotide
US-09-735-363A-66

Query Match 100.0%; Score 24; DB 9; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.47;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
DB 27 CACACACACACACACACACACA 4

RESULT 12
US-09-263-959-770/c
Sequence 770, Application US/09263959
Patent No. US20020150891A1
GENERAL INFORMATION:
APPLICANT: Hood, Leroy E.
APPLICANT: Rowen, Lee
APPLICANT: Koop, Ben F.
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTILIZE
NUMBER OF SEQUENCES: 1279
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,959
FILING DATE: 05-MAR-1999

CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: McMaisters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 770:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-263-959-770

Query Match 100.0%; Score 24; DB 9; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.47;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
DB 26 CACACACACACACACACACACA 3

RESULT 13
US-10-168-327-2/c
Sequence 2, Application US/10168327
Publication No. US20030176381A1
GENERAL INFORMATION:
APPLICANT: Fillion, Mario C.
APPLICANT: Phillips, Nigel C.
TITLE OF INVENTION: Hyaluronic Acid in the Treatment of Cancer
FILE REFERENCE: 02811-0211 (42368-274915)
CURRENT APPLICATION NUMBER: US/10/168,327
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: PCT/CA00/01562
PRIOR FILING DATE: 2000-12-28
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 27
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic oligonucleotide
US-10-168-327-2

Query Match 100.0%; Score 24; DB 16; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.47;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CACACACACACACACACACACA 24
DB 27 CACACACACACACACACACACA 4

RESULT 14
US-10-085-906-93/c
Sequence 93, Application US/10085906
Publication No. US20030054371A1
GENERAL INFORMATION:
APPLICANT: Yang, Vincent
APPLICANT: Wu, Paul
APPLICANT: Gray, Gary S.
TITLE OF INVENTION: POLYMORPHIC ELEMENTS IN THE
FILE REFERENCE: GNN-5343CP2
CURRENT APPLICATION NUMBER: US/10/085,906
CURRENT FILING DATE: 2002-02-27
PRIOR APPLICATION NUMBER: US 60/126,215
PRIOR FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: US 09/534,061

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[illegible]

```

      / TOPOLOGY: linear
      / MOLECULE TYPE: DNA (genomic)
      / IMMEDIATE SOURCE:
      / CLONE: mfd123rs
US-08-222-177A-388
Query Match          100.0%; Score 36; DB 1; Length 43;
Best Local Similarity 100.0%; Pred. No. 7,8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CACACACACACACACACACACACACACACACACACA 36
       |||||||
Db      2 CACACACACACACACACACACACACACACACACACA 37

RESULT 14
US-08-222-177A-195
Sequence 195, Application US/08222177A
Patent No. 5582979
GENERAL INFORMATION:
APPLICANT: Weber, James L.
TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
TITLE OF INVENTION: (dc-da)n.(dg-dt)n SEQUENCES AND METHODS OF USING SAME
NUMBER OF SEQUENCES: 460
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dewitt Ross & Stevens, S.C.
STREET: 8000 Excelstor Drive, Suite 401
CITY: Madison
STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 195:
SEQUENCE CHARACTERISTICS:
LENGTH: 44 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mfd49rs
US-08-222-177A-195
Query Match          100.0%; Score 36; DB 1; Length 44;
Best Local Similarity 100.0%; Pred. No. 7,8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CACACACACACACACACACACACACACACACACA 36
       |||||||
Db      1 CACACACACACACACACACACACACACACACACA 36

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Query Match      100.0%; Score 36; DB 10; Length 40;
Best Local Similarity 100.0%; Pred. No. 7.2e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Oy 1 CACACACACACACACACACACACACACA 36
|||
Db 1 CACACACACACACACACACACACACACA 36

RESULT 6

US-10-661-088-24
; Sequence 24, Application US/10661088
; Publication No. US20040162253A1
GENERAL INFORMATION

```

; APPLICANT: VAILLANT, ANDREW
; APPLICANT: JUTEAU, JEAN-MARC
; TITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING HSV
; FILE REFERENCE: 029849/0206

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; CURRENT APPLICATION NUMBER: US/10/661,088
 ;
 ; CURRENT FILING DATE: 2003-09-12
 ;
 ; PRIOR APPLICATION NUMBER: PCT/IB03/04573
 ;
 ; PRIOR FILING DATE: 2003-09-11

; PRIOR APPLICATION NUMBER: 60/430,934
 ; PRIOR FILING DATE: 2002-12-05
 ; PRIOR APPLICATION NUMBER: 60/410,264
 ; PRIOR FILING DATE: 2002-09-13

```

; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 24
; LENGTH: 40

```

```

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description

```

```

Query Match      100.0% Score 36.  DB 10.  Length 40.
; OTHER INFORMATION: oligonucleotide
US-10-661-088-24

```

Query Match	100.0%;	Score 36;	DB 19;	Length 40;
Best Local Similarity	100.0%;	Pred. No. 7.2e-05;		
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	CACACACACACACACACACACACACACA	36
D_b	2	CACACACACACACACACACACACACACA	37

RESULT 7

US-10-661-097-24
; Sequence 24, Application US/10661097
; Publication No. US20040162254A1
GENERAL INFORMATION

```

; APPLICANT: VAILLANT, ANDREW
; APPLICANT: JUTEAU, JEAN-MARC
; TITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING HSV
; PRIORITY REFERENCE: 030604/0004

```

: CURRENT APPLICATION NUMBER: US/10/661,097
 : CURRENT FILING DATE: 2003-09-12
 : PRIOR APPLICATION NUMBER: PCT/IB03/04573
 : PRIOR FILING DATE: 2003-06-11

; PRIOR APPLICATION NUMBER: 60/430,934
 ;
 ; PRIOR FILING DATE: 2002-12-05
 ;
 ; PRIOR APPLICATION NUMBER: 60/410,264
 ;
 ; PRIOR FILING DATE: 2002-09-12

```

; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 24
; LENGTH: 40

```

```

; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

```

```

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide

```

US-10-661-097-24

Query Match	100.0%;	Score 36;	DB 19;	Length 40;
Best Local Similarity	100.0%;	Pred. No. 7.2e-05;		
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

OY 1 CACACACACACACACACACACACACACACA 36
 |||||
Dd 2 CACACACACACACACACACACACACACACA 37

RESULT 8

US-10-661-355-24
; Sequence 24, Application US/10661355
; Publication No. US20040170959A1
; GENERAL INFORMATION.

```

; APPLICANT: VAILLANT, ANDREN
; APPLICANT: JUTEAU, JEAN-MARC
; TITLE OF INVENTION: ANTIYVRAL OLIGONUCLEOTIDES
; FILER REFERENCE: 029849/0208

```

;; CURRENT APPLICATION NUMBER: US/10/661,355
;; CURRENT FILING DATE: 2003-09-12
;; PRIOR APPLICATION NUMBER: PCT/IB03/04573
;; PRIOR FILING DATE: 2003-08-11

; PRIOR APPLICATION NUMBER: 60/430,934
 ; PRIOR FILING DATE: 2002-12-05
 ; PRIOR APPLICATION NUMBER: 60/410,264
 ; PRIOR FILING DATE: 2002-09-13

```

; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 24
; LENGTH: 40

```

```

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description

```

```

; OTHER INFORMATION: oligonucleotide
US-10-661-355-24

Query Match      100.0% Score 36. DB 19. Length 40.

```

Query Match	100.0%;	Score 36;	DB 19;	length 40;
Best Local Similarity	100.0%;	Pred. No. 7.2e-05;		
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Oy 1 CACACACACACACACACACACACACA 36
 |||||
Db 2 CACACACACACACACACACACACACA 37

RESULT 9

US-10-661-099-24
; Sequence 24, Application US/10661099
; Publication No. US20040171568A1
GENERAL INFORMATION

```

; APPLICANT: VAILLANT, ANDREW
; APPLICANT: JUTEAU, JEAN-MARC
; TITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING HIV
; PRT REFERENCE: 020840/0203

```

; CURRENT APPLICATION NUMBER: US/10/661,099
 ; CURRENT FILING DATE: 2003-09-12
 ; PRIOR APPLICATION NUMBER: PCT/IB03/04573
 ; PRIORITY DATE: 2003-09-11

;
; PRIOR APPLICATION NUMBER: 60/430,934
;
; PRIOR FILING DATE: 2002-12-05
;
; PRIOR APPLICATION NUMBER: 60/410,264
;
; PRIOR FILING DATE: 2002-09-13

```

; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 24
; LENGTH: 40

```

```

; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

```

OTHER INFORMATION: Description of Artificial Sequence: Synthetic

1 APPLICATION NUMBER: US/09/263,959
 2 FILING DATE: 05-MAR-1999
 3 CLASSIFICATION:
 4 ATTORNEY/AGENT INFORMATION:
 5 NAME: McMeisters, David D.
 6 REGISTRATION NUMBER: 33,963
 7 REFERENCE/DOCKET NUMBER: 920010.426C2
 8 TELECOMMUNICATION INFORMATION:
 9 TELEPHONE: (206) 622-4900
 10 TELEFAX: (206) 682-6031
 11 INFORMATION FOR SEQ ID NO: 495:
 12 SEQUENCE CHARACTERISTICS:
 13 LENGTH: 41 base pairs
 14 TYPE: nucleic acid
 15 STRANDEDNESS: single
 16 TOPOLOGY: linear
 17
 18 US-09-263-959-495

	Query Match	100.0%	Score 36;	DB 9;	Length 41;
	Best Local Similarity	100.0%;	Pred. No.	7.2e-05;	
Matches	36;	Conservative	0;	Mismatches	0; Indels 0; Gaps 0;
Oy	1 CACACACACACACACACACACACACA	36			
Dd	41 CACACACACACACACACACACACACA	6			

```

RESULT 14
US-09-852-903C-26
; Sequence 26, Application US/09852903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: Diattech Pty. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EEH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 26
; LENGTH: 42
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1..7)
; OTHER INFORMATION: CA-22
; US-09-852-903C-26

```

	Query Match	100.0%; Score 36; DB 10;	length 42;
	Best Local Similarity	100.0%; Pred. No. 7.2e-05;	
	Matches	36; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
Qy	1 CACACACACACACACACACACACACA	36	
Dz	1 CACACACACACACACACACACACACA	36	

RESULT 15
US-09-852-903C-27
Sequence 27, Application US/09852903C
Publication No. US20030104376A1
GENERAL INFORMATION:
APPLICANT: Diattech Pty. Ltd.
TITLE OF INVENTION: An assay
FILE REFERENCE: 2414918/EJH
CURRENT APPLICATION NUMBER: US/09/852,903C
CURRENT FILING DATE: 2001-05-09
PRIOR APPLICATION NUMBER: US 60/202,771

```

1 PRIOR FILING DATE: 2000-05-09
2 PRIOR APPLICATION NUMBER: US 60/202,555
3 PRIOR FILING DATE: 2000-05-10
4 NUMBER OF SEQ ID NOS: 38
5 SOFTWARE: PatentIn version 3.0
6 SEQ ID NO 27
7 LENGTH: 44
8 TYPE: DNA
9 ORGANISM: artificial sequence
10 FEATURE:
11 NAME/KEY: misc feature
12 LOCATION: (1..7)
13 OTHER INFORMATION: CA-23
14 US-09-852-903C-27

```

	Query Match	100.0%	Score 36;	DB 10;	Length 44;
	Best Local Similarity	100.0%	Pred. No.	7.2e-05;	
	Matches	36;	Conservative	0;	Mismatches 0;
					Indels 0;
					Gaps 0;
Qy	1 CACACACACACACACACACACACACA	36			
Db	1 CACACACACACACACACACACACACA	36			

Search completed: September 2, 2005, 03:54:02
Job time : 39.0082 secs

This Page Blank (uspto)

TITLE OF INVENTION: POLYMERASE

```

; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Suite 300
; CITY: Washington
; STATE: D.C.
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/044,618
; FILING DATE: 19930406
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/257,696
; FILING DATE: 14-OCT-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: FOX, SAMUEL L
; REGISTRATION NUMBER: 30,353
; REFERENCE/DOCKET NUMBER: 0654,0490001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)466-0800
; TELEFAX: (202)833-8716
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3747 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-044-618-5

Query Match      8.4%; Score 175; DB 1; Length 3747;
Best Local Similarity 100.0%; Pred. No. 6e-59;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1888 GTGTTTCTAGAGTCGTGCGCTCGGAGCTTCCGAGAGCTTTGCGGAGCTAGGGAGAGATGGC 1947
DB      136 GTGTTTCTAGAGTCGTGCGCTCGGAGCTTCCGAGAGCTTTGCGGAGCTAGGGAGAGATGGC 195
QY      1948 GGAAGCTTCGATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCGCTCTTGGCAA 2007
DB      196 GGAAGCTTCGATAGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGGCGCTCTTGGCAA 255
QY      2008 GAAATGAGGAGAGCATCCCAAGAGCTGGCTCCGATGGCCATCATGTGTGAG 2062
DB      256 GAAATGAGGAGAGCATCCCAAGAGCTGGCTCCGATGGCCATCATGTGTGAG 310

RESULT 3
US-09-596-248D-24
; Sequence 24, Application US/09596248D
; Patent No. 6599727
; GENERAL INFORMATION:
; APPLICANT: Christenson, Erik
; APPLICANT: Demaggio, Anthony J
; APPLICANT: Goldman, Phyllis S
; APPLICANT: McElligott, David L
; TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and
; FILE REFERENCE: 27866/36544
; CURRENT APPLICATION NUMBER: US/09/596,248D
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: 60/139,543
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 24
; LENGTH: 3045
; TYPE: DNA
```

```

; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(3045)
; OTHER INFORMATION:
US-09-596-248D-24

Query Match      5.8%; Score 120; DB 4; Length 3045;
Best Local Similarity 100.0%; Pred. No. 1.6e-37;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1943 ATGGCGGAGCTTTGGATTAAGCTTATCGATCGAGTACGCCAAGAGCGGGCGGCGCTCT 2002
DB      1 ATGGCGGAGCTTTGGATTAAGCTTATCGATCGAGTACGCCAAGAGCGGGCGGCGCTCT 60
QY      2003 TCGAAGAAATGACGAGAGCATCCCAAGAGCTCGCTCCGATGGCCATCATGTGTGAG 2062
DB      61 TCGAAGAAATGACGAGAGCATCCCAAGAGCTCGCTCCGATGGCCATCATGTGTGAG 120

RESULT 4
US-08-860-886-1
; Sequence 1, Application US/08860886
; Patent No. 6335009
; GENERAL INFORMATION:
; APPLICANT: Burke, Alexander
; APPLICANT: Zur Hausen, Harald
; APPLICANT: Jan-Heiner, Kupper
; TITLE OF INVENTION: VECTORS AND VIRUSES FOR USE
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds, LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: IBM compatible
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/860,886
; FILING DATE: 03-OCT-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 8484-0028-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-493-4935
; TELEFAX: 650-493-5556
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3792 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 96...3134
; OTHER INFORMATION:
US-08-860-886-1

Query Match      3.5%; Score 73; DB 3; Length 3792;
Best Local Similarity 98.9%; Pred. No. 3.1e-19;
Matches 173; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1888 GTGTTTCTAGCTGCTGCGCTTCCGAGCTTTGGCGGCACTAGAGGAGATGCG 1947
|
|
|
Db 41 GTGTTTCTAGCTGCTGCGCTTCCGAGCTTTGGCGGCACTAGAGGAGATGCG 100
|
|
|
QY 1948 GGAGCTTGGATTAAGCTCTATGAGTCGAGTACGCCAAGCGGGGGCCCTTTGCCA 2007
|
|
|
Db 101 GGAGCTTGGATTAAGCTCTATGAGTCGAGTACGCCAAGCGGGGGCCCTTTGCCA 160
|
|
|
QY 2008 GAAATGAGGAGAGCATCCCAAGAGCTGCTCCGAGTCCCATCATGATGTCAG 2062
|
|
|
Db 161 GAAATGAGGAGAGCATCCCAAGAGCTGCTCCGAGTCCCATCATGATGTCAG 215
|
|
|
RESULT 5
US-09-596-248D-46
; Sequence 46, Application US/09596248D
; Patent No. 6599727
; GENERAL INFORMATION:
; APPLICANT: Christenson, Erik
; APPLICANT: Demaggio, Anthony J
; APPLICANT: Goldman, Phyllis S
; APPLICANT: McEllisott, David L
; TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and
; TITLE OF INVENTION: Methods
; FILE REFERENCE: 27866/36544
; CURRENT APPLICATION NUMBER: US/09/596,248D
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: 60/139,543
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 46
; LENGTH: 3200
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:hpAP1/hpAP2
; OTHER INFORMATION: Fusion
US-09-596-248D-46

Query Match 3.4%; Score 71; DB 4; Length 3200;
Best Local Similarity 100.0%; Pred. No. 1.9e-18;
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1943 ATGGCGAGCTTCGATTAAGCTCTATGAGTCGAGTACGCCAAGCGGGGGCCCTT 2002
|
|
|
Db 109 ATGGCGAGCTTCGATTAAGCTCTATGAGTCGAGTACGCCAAGCGGGGGCCCTT 168
|
|
|
QY 2003 TGCAGAAATG 2013
|
|
|
Db 169 TGCAGAAATG 179
|
|
|
RESULT 6
US-08-044-618-7
; Sequence 7, Application US/08044618
; Patent No. 5449605
; GENERAL INFORMATION:
; APPLICANT: SMIDSON, MARK
; TITLE OF INVENTION: METHOD OR DETECTING A PREDISPOSITION TO
; TITLE OF INVENTION: CANCER BY THE USED OF RESTRICTION FRAGMENT LENGTH
; TITLE OF INVENTION: POLYMORPHISM OF THE GENE FOR THE HUMAN POLY (ADP-RIBOSE)
; TITLE OF INVENTION: POLYMERASE
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Keseler, Goldstein & Fox
; STREET: 1225 Connecticut Suite 300
; CITY: Washington
; STATE: D.C.
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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```
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/044,618
FILING DATE: 19930406
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/257,696
FILING DATE: 14-OCT-1988
ATTORNEY/AGENT INFORMATION:
NAME: FOX, SAMUEL L
REGISTRATION NUMBER: 30,353
REFERENCE/DOCKET NUMBER: 0654,0490001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)466-0800
TELEFAX: (202)833-8716
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 5345 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-044-618-7

Query Match 3.1%; Score 64; DB 1; Length 5345;
Best Local Similarity 100.0%; Pred. No. 9.6e-16;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1998 CCTTGTGCAAGAAATGACAGGAGCATCCCAAGAGCTTCGCTCCGATGCGCATATGG 2057
|
|
|
Db 828 CCTTGTGCAAGAAATGACAGGAGCATCCCAAGAGCTTCGCTCCGATGCGCATATGG 887
|
|
|
QY 2058 TGCA 2061
|
|
|
Db 888 TGCA 891
|
|
|
RESULT 7
US-09-949-016-14854/c
; Sequence 14854, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14854
; LENGTH: 8848
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14854

Query Match 2.4%; Score 50; DB 4; Length 8848;
Best Local Similarity 100.0%; Pred. No. 2.6e-10;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 770 GGTGGAGATGCTTGAAGCGAGGGGTTCAAGACGAGCTGGGCAACAT 819
|
|
|
Db 4278 GGTGGAGATGCTTGAAGCGAGGGGTTCAAGACGAGCTGGGCAACAT 4229
|
|
|
```

```
RESULT 8
US-09-949-016-178057
; Sequence 178057, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178057
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-178057
```

```
Query Match          2.2%; Score 46; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 1.3e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 306 GGTTCGTCATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 351
DB 237 GGTTCGTCATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 282

RESULT 9
US-09-949-016-178058
; Sequence 178058, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178058
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-178058
```

```
Query Match          2.2%; Score 46; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 1.3e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 306 GGTTCGTCATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 351
DB 302 GGTTCGTCATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 347

RESULT 10
US-09-949-016-13423/C
; Sequence 13423, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
```

```
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13423
; LENGTH: 69909
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13423
```

```
Query Match          2.2%; Score 46; DB 4; Length 69909;
Best Local Similarity 100.0%; Pred. No. 7.3e-09;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 306 GGTTCGTCATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 351
DB 53241 GGTTCGTCATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 53196

RESULT 11
US-09-949-016-16847/C
; Sequence 16847, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16847
; LENGTH: 98302
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16847
```

```
Query Match          2.2%; Score 46; DB 4; Length 98302;
Best Local Similarity 100.0%; Pred. No. 7e-09;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 306 GGTTCGTCATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 351
DB 13787 GGTTCGTCATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 13742

RESULT 12
US-09-949-016-15078/C
; Sequence 15078, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
```



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; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15078
; LENGTH: 114426
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-15078
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Query Match          2.2%; Score 46; DB 4; Length 114426;
Best Local Similarity 100.0%; Pred. No. 6.9e-09;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      360 CCACCTCAGCCTCCCAAGTGTAGATTATAGGATGACCACTG 405
Db      580 CCACCTCAGCCTCCCAAGTGTAGATTATAGGATGACCACTG 535
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RESULT 13
; US-09-513-999C-16098
; Sequence 16098; Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 16098
; LENGTH: 73
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-513-999C-16098
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Query Match          2.2%; Score 45; DB 4; Length 73;
Best Local Similarity 100.0%; Pred. No. 3.9e-08;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1398 GCCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGGATCGCT 1442
Db      20 GCCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGGATCGCT 64
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RESULT 14
; US-09-513-999C-16110
; Sequence 16110; Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
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; SEQ ID NO 16110
; LENGTH: 74
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-513-999C-16110
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Query Match          2.2%; Score 45; DB 4; Length 74;
Best Local Similarity 100.0%; Pred. No. 3.9e-08;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1398 GCCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGGATCGCT 1442
Db      21 GCCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGGATCGCT 65
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RESULT 15
; US-09-513-999C-29990
; Sequence 29990; Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 29990
; LENGTH: 123
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 16
; OTHER INFORMATION: s=g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 17
; OTHER INFORMATION: s=g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 18
; OTHER INFORMATION: v=a or c or g
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 86
; OTHER INFORMATION: k=g or t
; US-09-513-999C-29990
```

```

Query Match          2.2%; Score 45; DB 4; Length 123;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1398 GCCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGGATCGCT 1442
Db      20 GCCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGGATCGCT 64
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Search completed: September 2, 2005, 08:52:36
Job time : 381 secs
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